Total vegetation cover soil protection Region:NRM Western NSW

This report describes vegetation protecting the soil surface from erosion during a chosen month compared to previous years. This report has been generated using MODIS fractional vegetation cover information available in Rangelands and Pasture Productivity (RAPP) map tool https://map.geo-rapp.org/#australia. The report is based on 500 metre pixel data on monthly time steps.

Land use forest cover:

Date: December 2001

Results can be shown for the whole region (polygon), and separated by land use and forest cover classes which are likely to show different cover patterns and targets. Land use is divided into four broad classes: Conservation and natural environments, Agriculture, production native forests and plantation forests (no report), and other (no report). Agriculture is divided into grazing, crops and horticulture which are sub-divided into non-irrigated and irrigated. If forest is present land use is further divided into: non-forest, woodland forest and non-woodland forest. The area of each land use and forest class are shown as a map and chart. The report content is repeated for each land use and forest cover class that covers at least 1% of the area of the chosen region. Total vegetation Cover:

The total vegetation cover indicates where soil is likely to be protected from wind and or water hillslope erosion. Total vegetation cover for this month is shown on a map and chart classified into 4 classes.

- 71-100% High cover protected from wind and usually water erosion (high rainfall, steep slopes, and erodible soils may need greater than 80, 90, 95 and up to 100% cover)
 - 51-70% Moderate cover protected from wind erosion
 - 31-50% Low cover not protected
 - 0-30% Very Low cover not protected

Erosion protection: Wind erosion 50% total vegetation cover

The vegetation cover threshold required to prevent soil erosion is usually 50% to reduce wind erosion, 70% or 80% to reduce water (hillslope) erosion depending on the steepness and rainfall. Areas protected from erosion for the month:

- Map: water erosion protection (>70% cover) percentage area and hectares.
- Map: wind erosion protection (>50% cover) percentage area and hectares.

Comparison with previous years:

- Map: anomaly comparing this month to the average cover from the same month in previous years.
- Map: deciles rank of month against the same month in previous years.

Anomalies and deciles until September 2019 are calculated comparing to the same months 2001 to 2019. Extra monthly data will be used to calculate anomalies and deciles post September 2019 as they become available. Time series monthly from January 2001 to current:

Erosion protection

- Wind erosion protection time series: percentage of the area of the region with greater than 50% cover for each month (orange lines). Horizontal lines are 10th (cover target) and 50th percentiles.
- Water erosion protection time series: percentage of the area of the region with greater than 70% cover for each month (blue line). Horizontal lines are 10th (cover target) and 50th percentiles.

Rainfall

• Millimetres rainfall each month (black line).

Each time series is also stacked by year. The black line shows the current year of data. Water erosion protection for higher rainfall and steeper slopes:

Water erosion protection on higher slopes. As slope increases, more cover is required to control water erosion. The thresholds reported are:

- the percentage area with pixels greater than 80% total cover.
- the percentage area with pixels greater than 90% total cover.
- the percentage area with pixels greater than 95% total cover.

Acknowledgment of data:

- 1. http://www.agriculture.gov.au/abares/aclump/land-use/alum-classification
- 2. http://www.agriculture.gov.au/abares/forestsaustralia/sofr/sofr-2018
- 3. https://www.dpi.nsw.gov.au/agriculture/pastures-and-rangelands/establishment-mgmt/production-management2/groundcover
- 4. MODIS Fractional cover algorithm:

https://doi.org/10.4225/08/5848a3f19a7b3











Vegetation Cover Dec 2001

10 -

Land use and forest cover

Catchment Scale

of Australia (2018)

(2018) and Forests

of Australia (2018)

Anomaly show how many percetage points each

pixel is from

the mean. That

is, red pixels are about 20%

lower than the

month of the map

using baseline from 2001 to 2019.

mean of that pixel. The mean is only for the

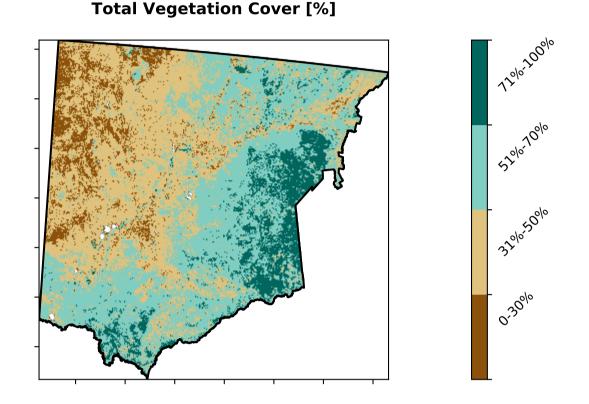
Derived from

Use of Australia

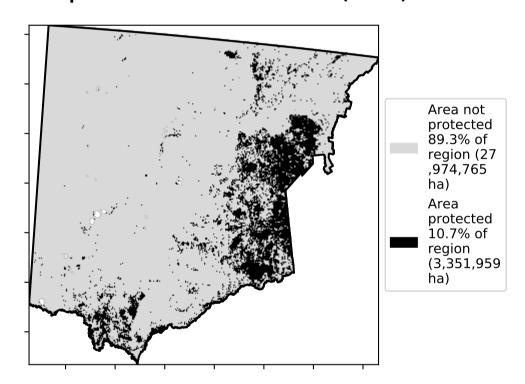
Land Use and Forests

Catchment Scale Land

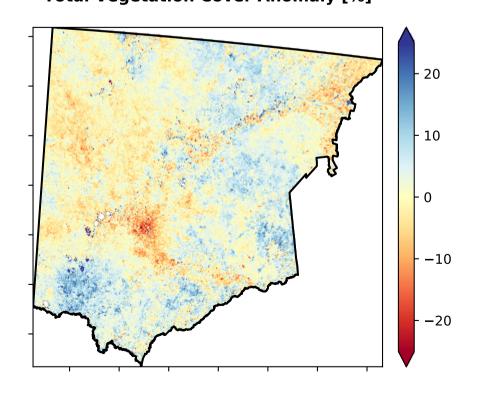
Legend with land class forest cover and number, i.e. Forests is 12 1 Conservation and natural environments -2 Conservation and natural environments -3 Conservation and natural environments -Non-Woodland forest 4 Agriculture - Grazing - Non-forest 5 Agriculture - Grazing - Woodland forest 6 Agriculture - Grazing - Non-woodland forest 7 Agriculture - Grazing - Irrigated 8 Agriculture - Cropping - Non-irrigated 9 Agriculture - Cropping - Irrigated 10 Agriculture - Horticulture - Non-irrigated 11 Agriculture - Horticulture - Irrigated 12 Production native forests and plantation 13 Other uses



% Area protected from water erosion (>70%)



Total Vegetation Cover Anomaly [%]



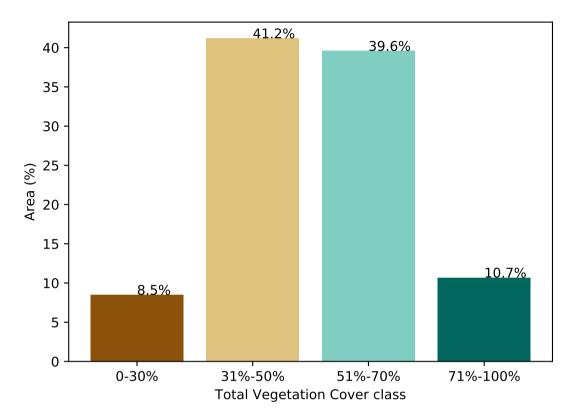
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

80 - 78.0% 70 - 60 - 50 - 78.0% 80 - 78.0% 30 - 20 - 78.0%

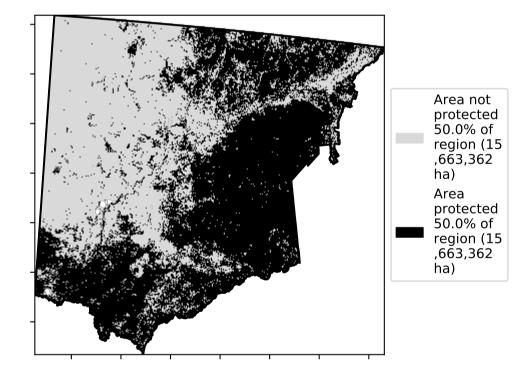
Proportion of each land class in area

Proportion of vegetation cover class in area

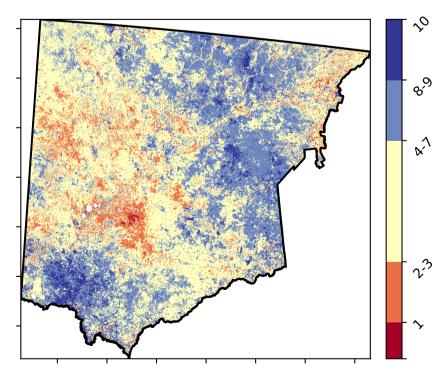
Land use class



% Area protected from wind erosion (>50%)



Total Vegetation Cover Decile [%]





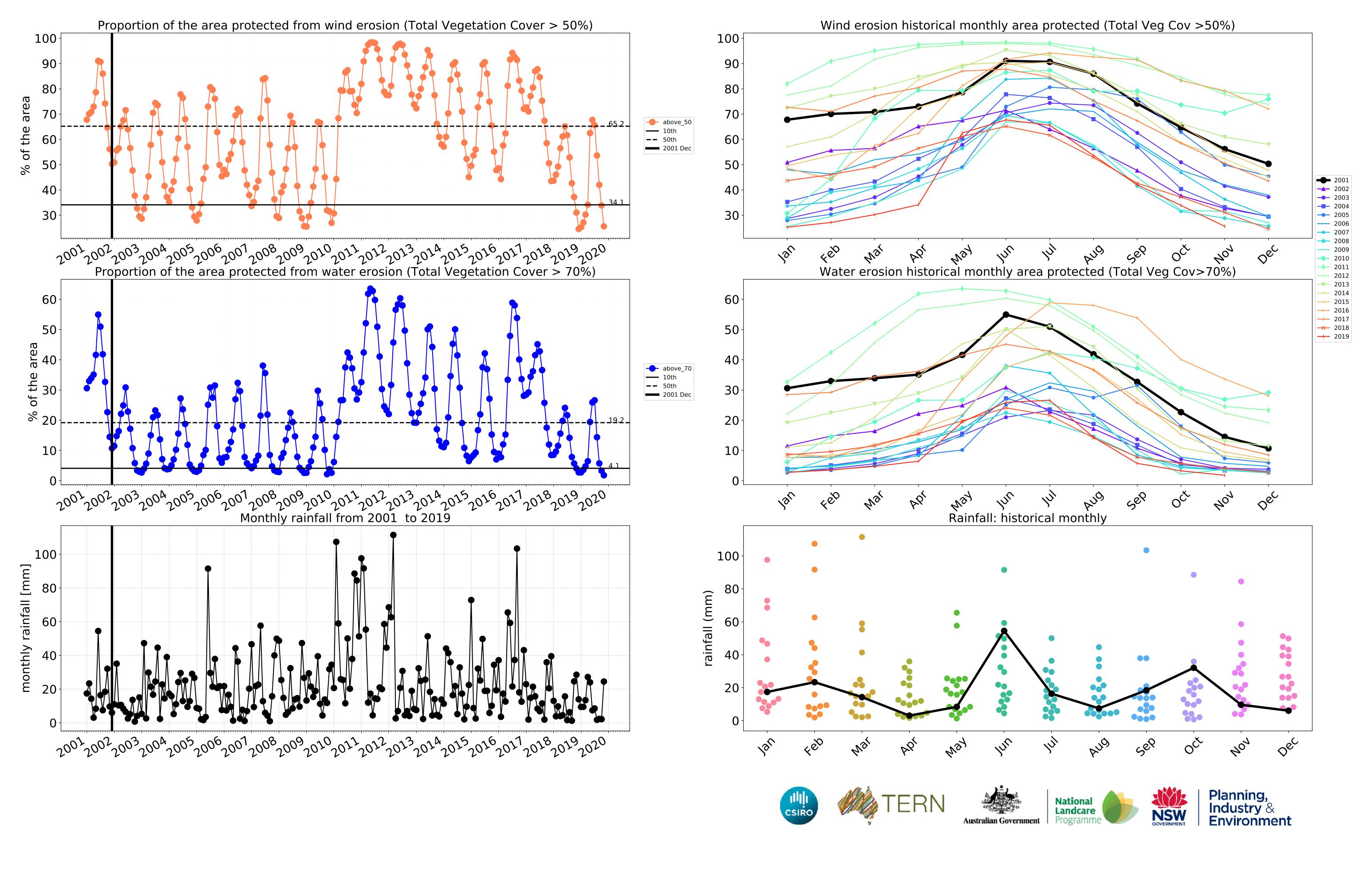












Conservation and natural environments

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

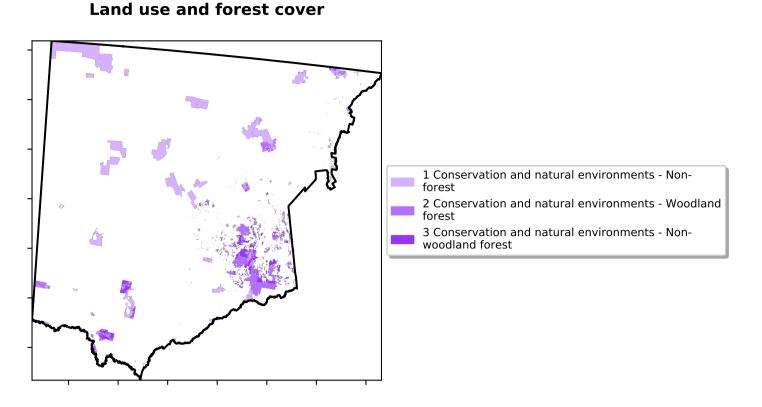
pixel is from

is, red pixels are about 20% lower than the mean of that

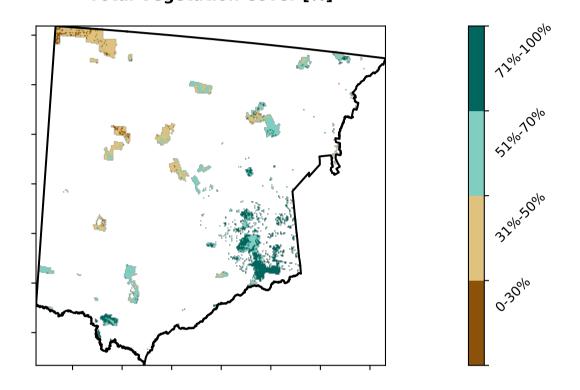
the mean. That

pixel. The mean is only for the month of the map

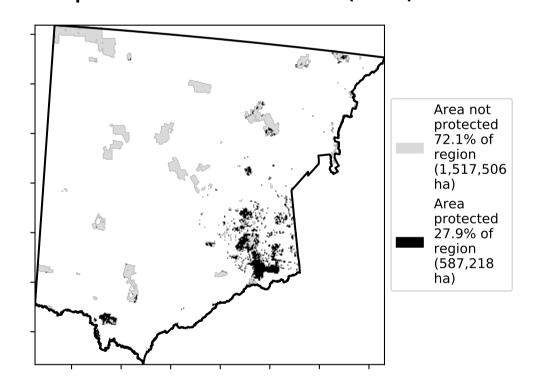
using baseline from 2001 to 2019.



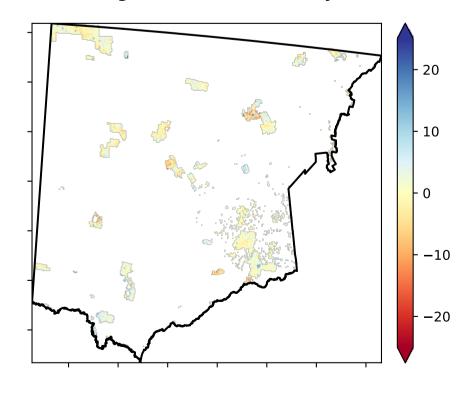
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

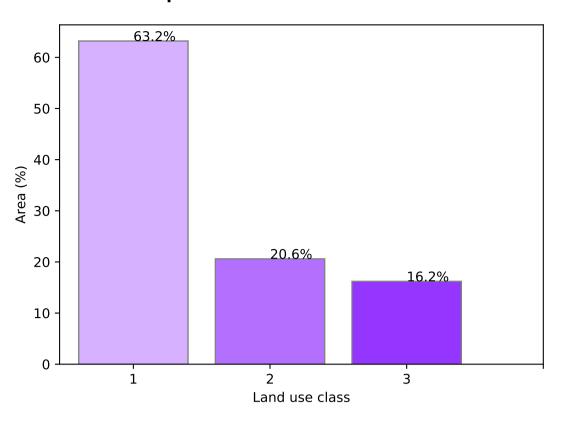


Total Vegetation Cover Anomaly [%]

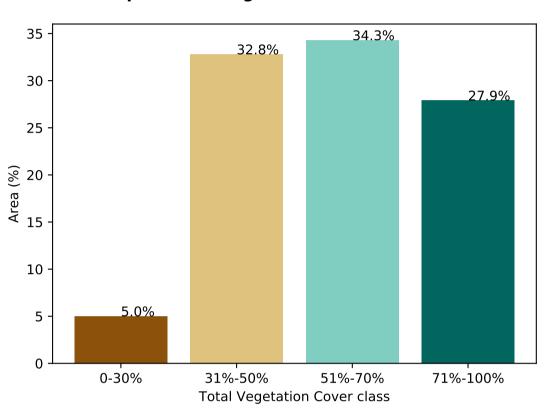


Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

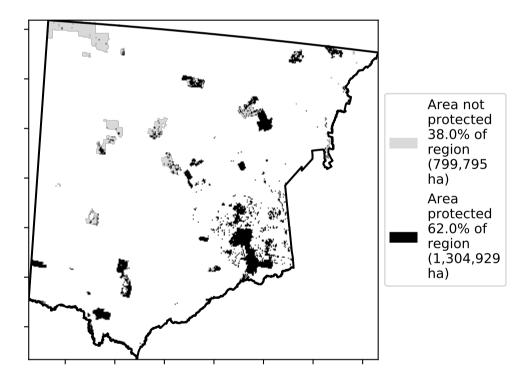
Proportion of each land class in area

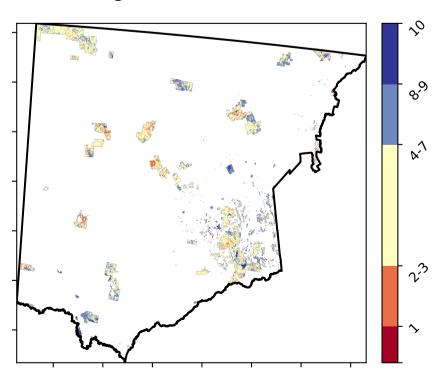


Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









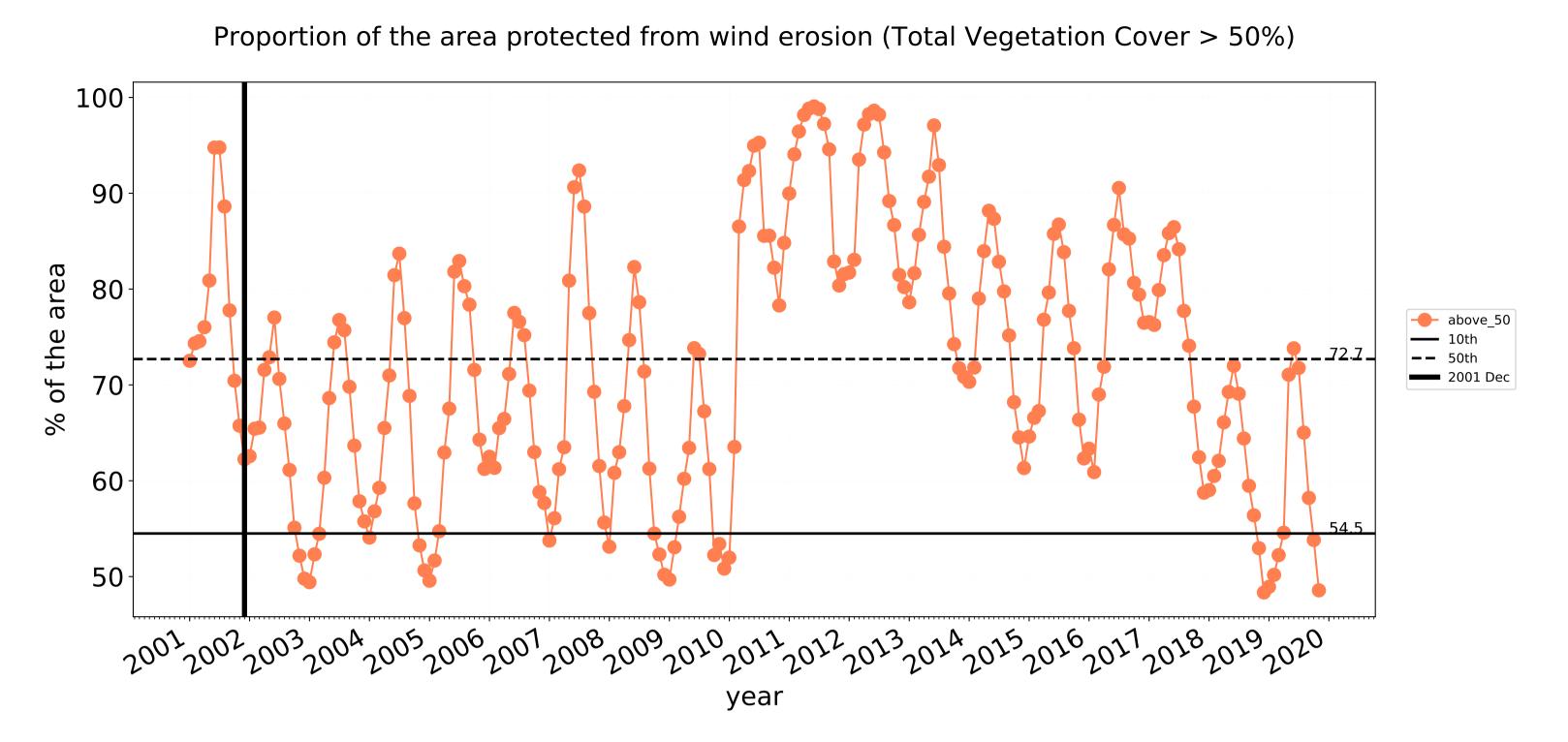




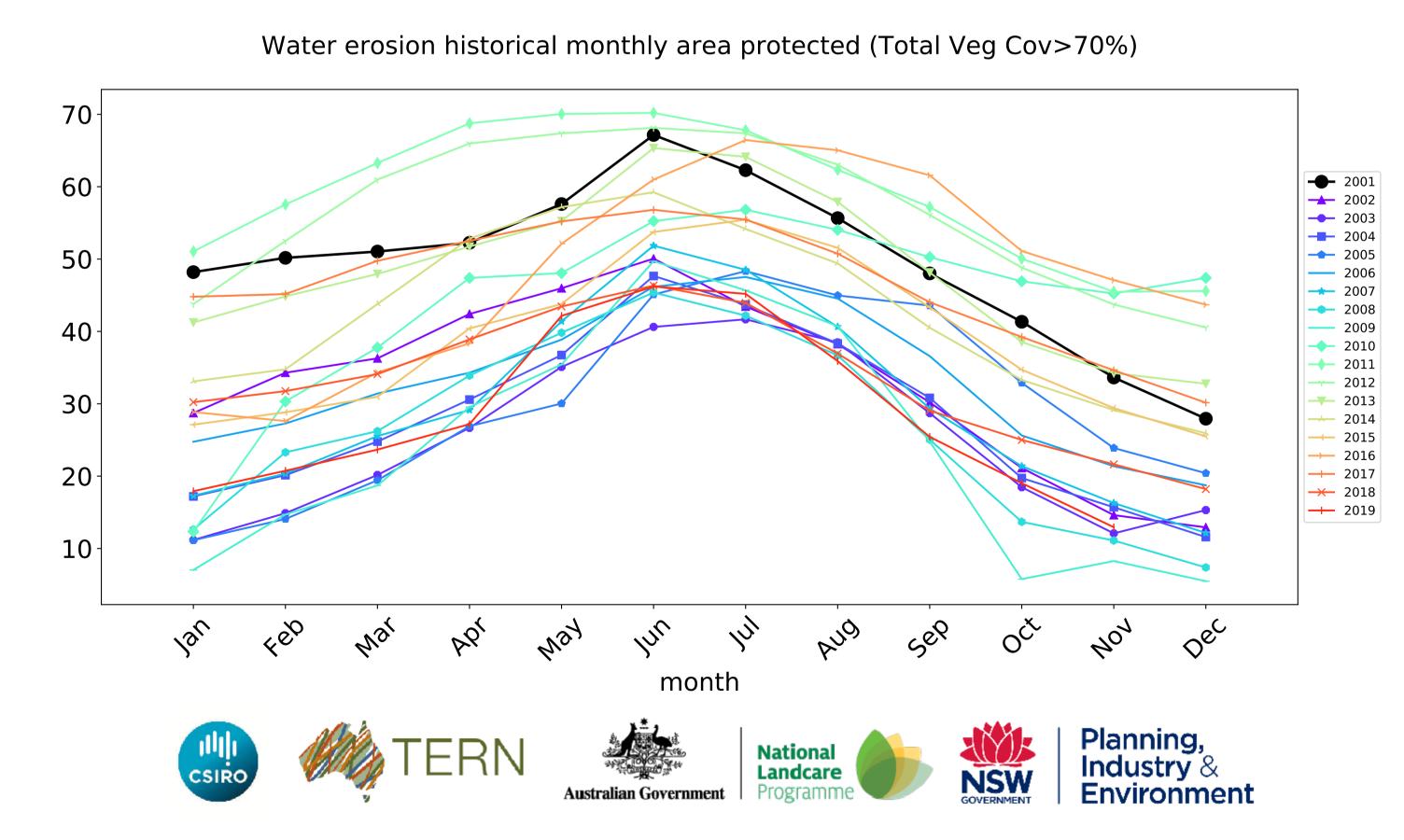




Conservation and natural environments timeseries



Wind erosion historical monthly area protected (Total Veg Cov >50%) 100 90-80 2008 2009 **2010** 2011 70-2012 2013 2014 _ 2015 **→** 2016 60 → 2017 → 2018 → 2019 50-



Conservation and natural environments non forest

Land use and forest cover

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

pixel is from

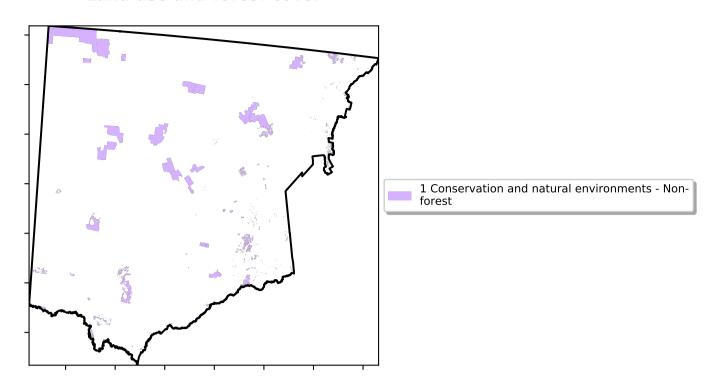
is, red pixels are about 20% lower than the mean of that

the mean. That

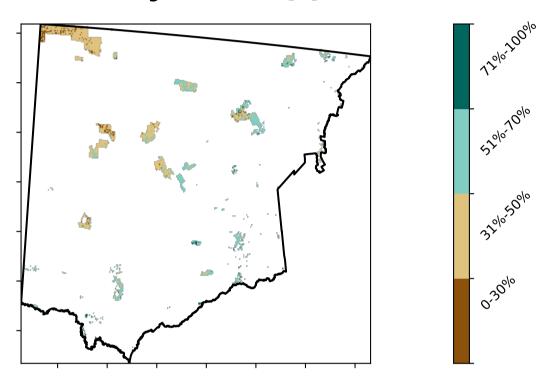
pixel. The mean

using baseline from 2001 to 2019.

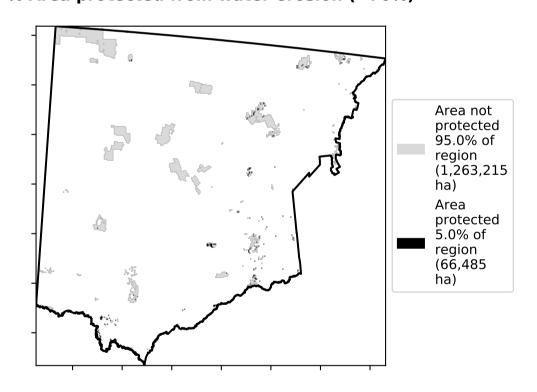
is only for the month of the map



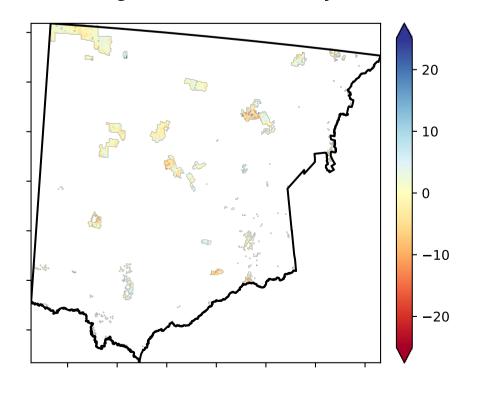
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

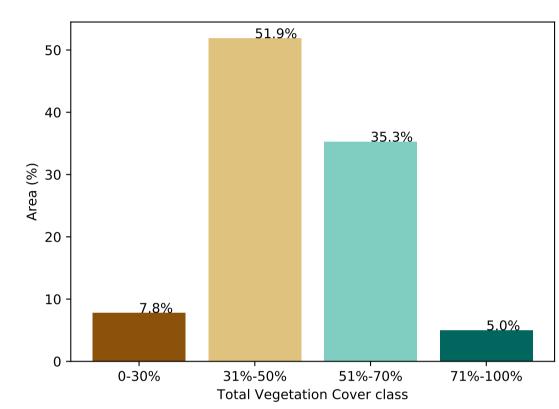


Total Vegetation Cover Anomaly [%]

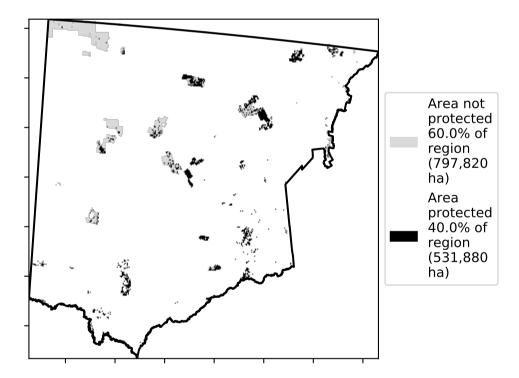


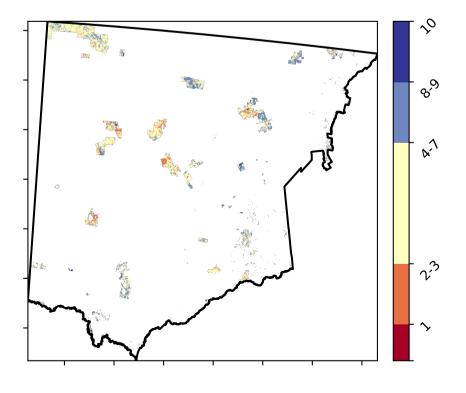
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









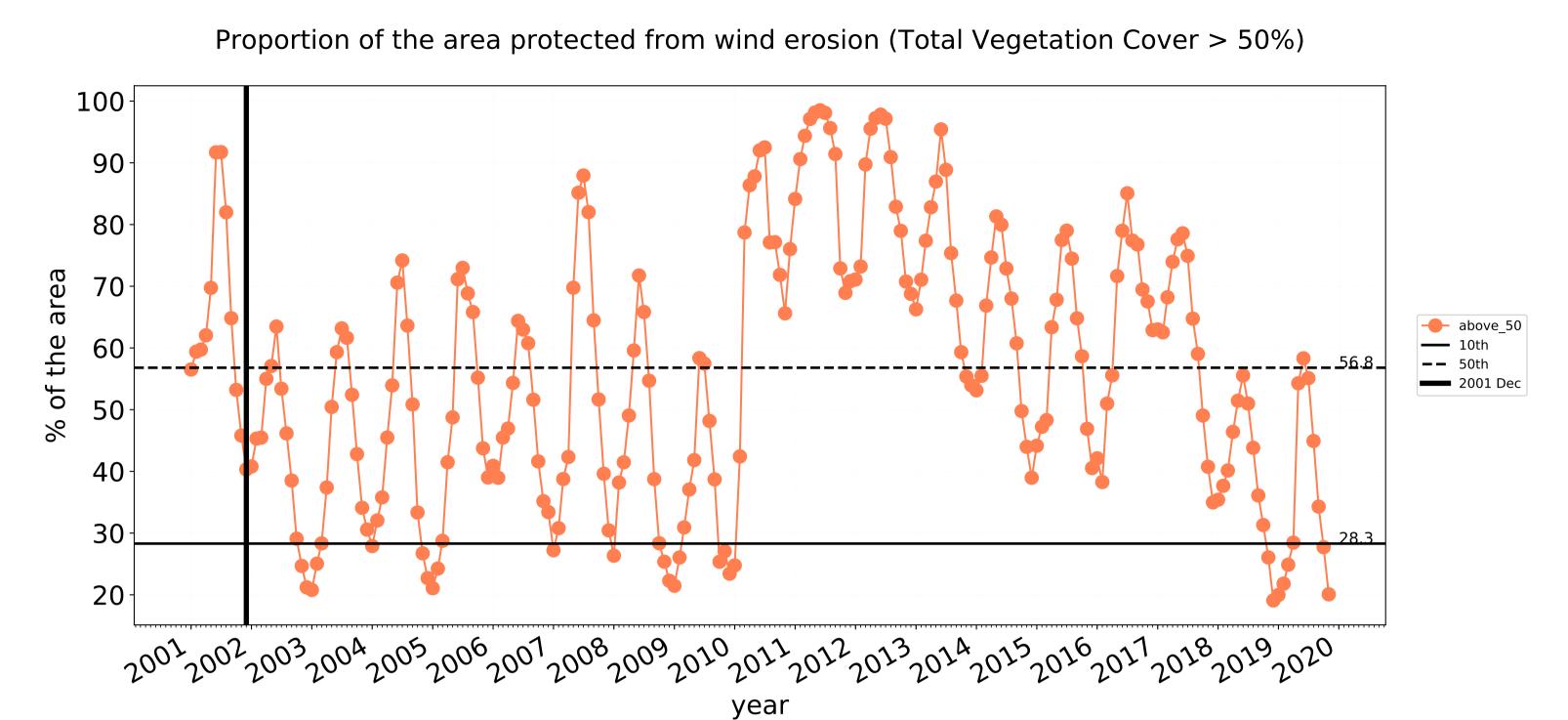




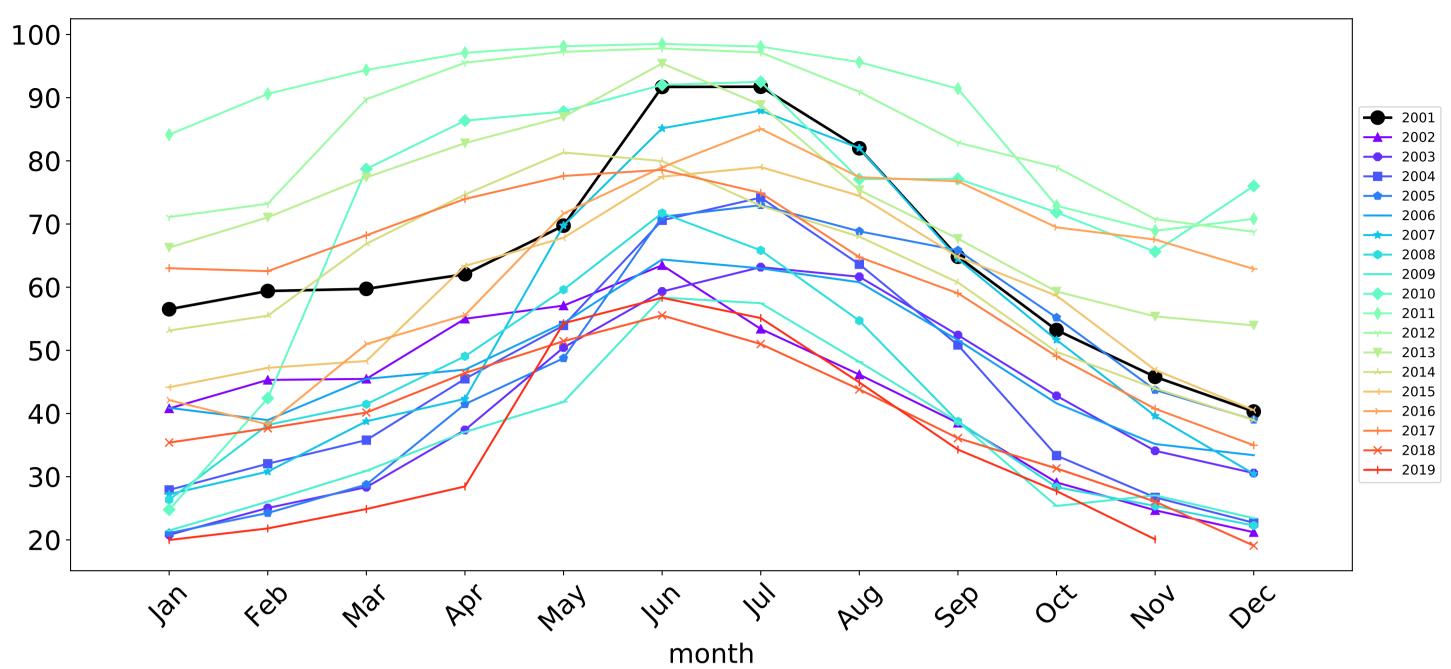




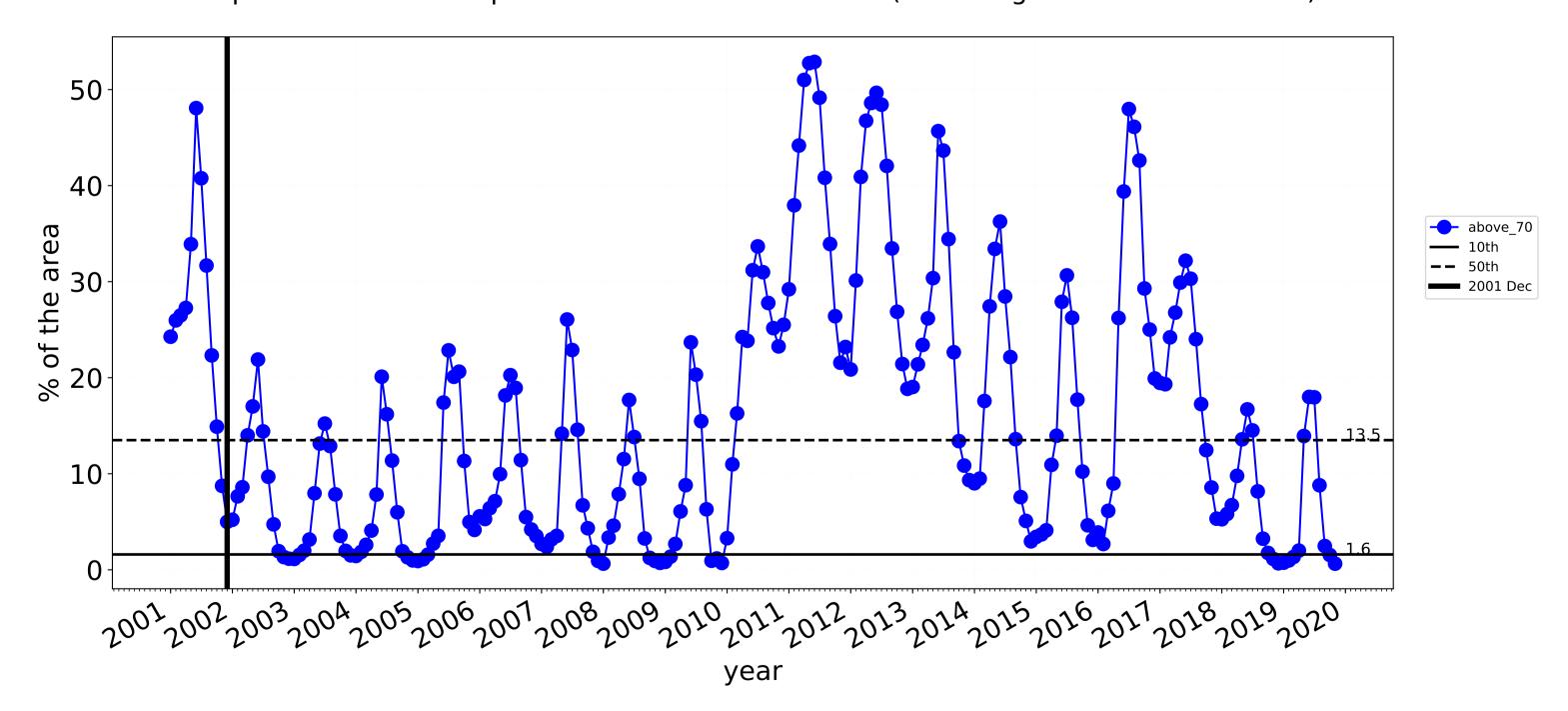
Conservation and natural environments non forest timeseries



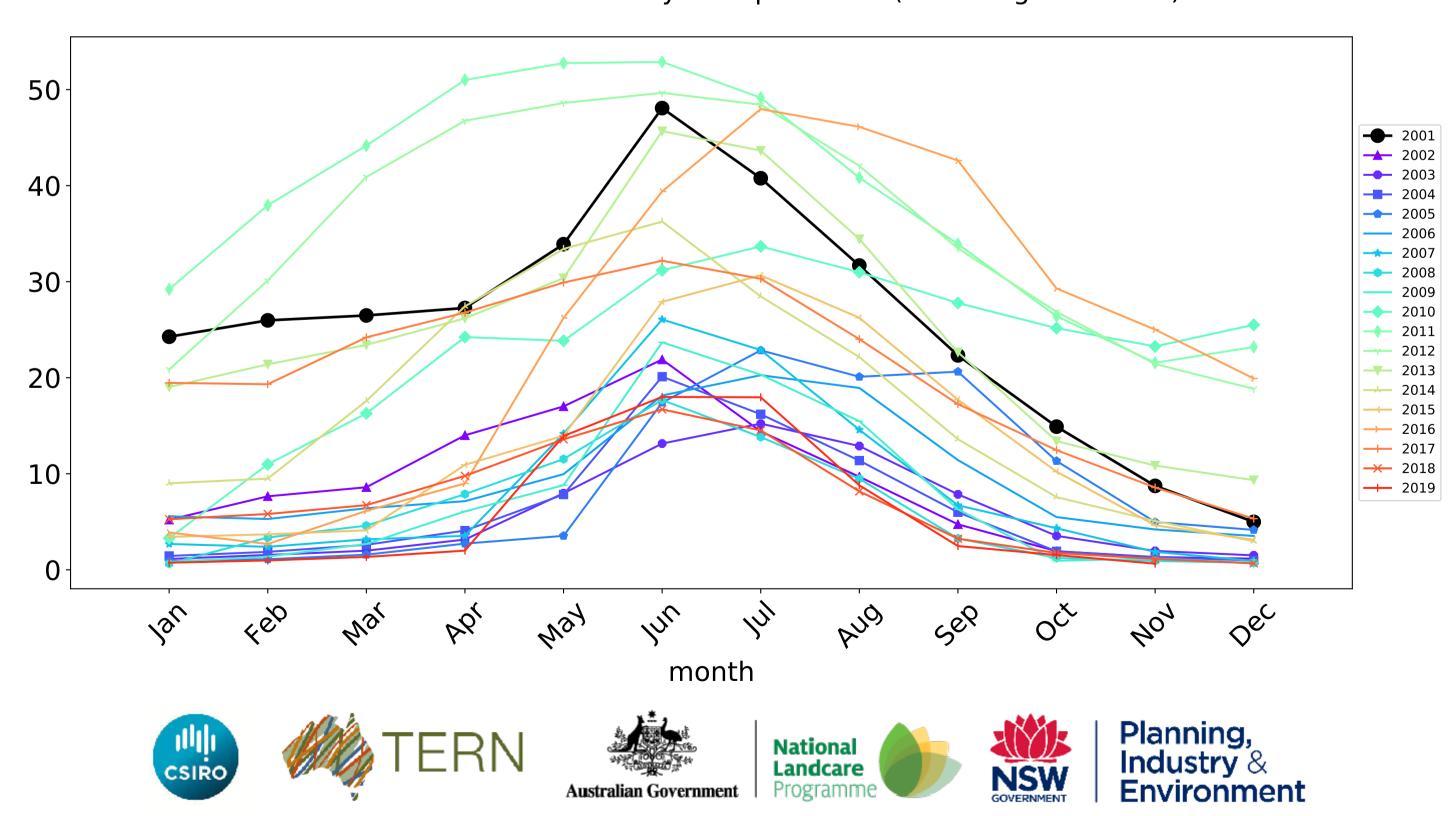
Wind erosion historical monthly area protected (Total Veg Cov >50%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



Water erosion historical monthly area protected (Total Veg Cov>70%)



Conservation and natural environments Woodland forest

Land use and forest cover

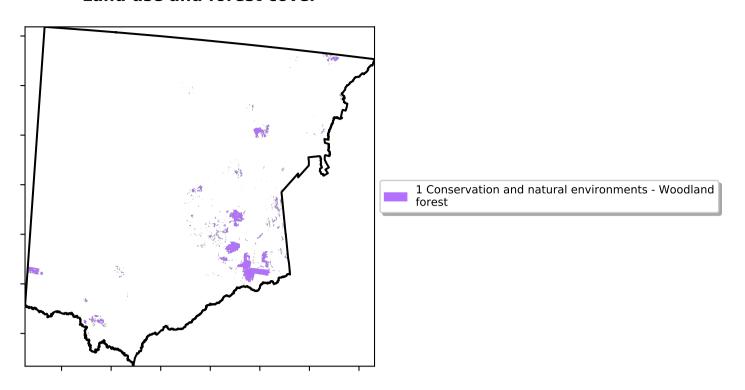
Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

pixel is from the mean. That

using baseline from 2001 to 2019.

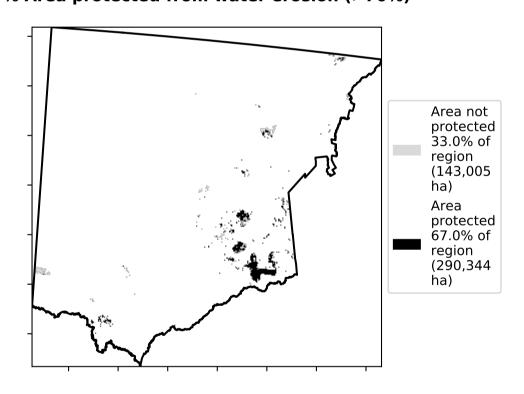
is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map



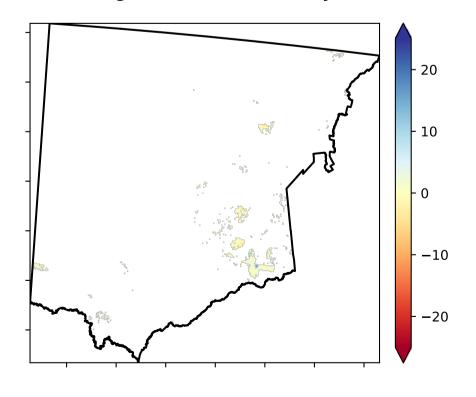
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

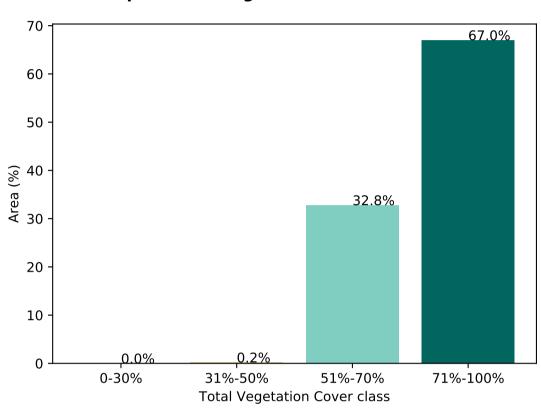


Total Vegetation Cover Anomaly [%]

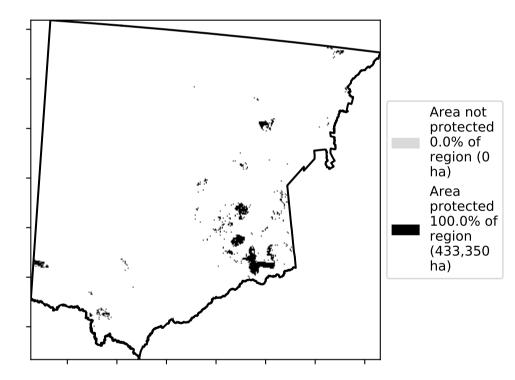


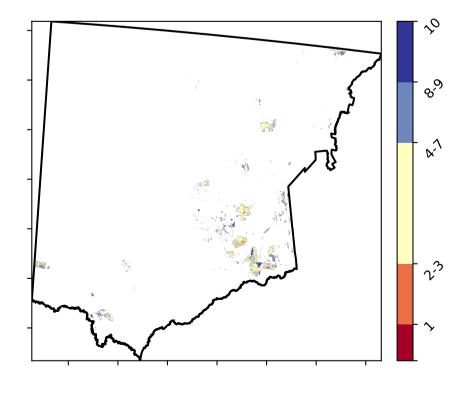
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)







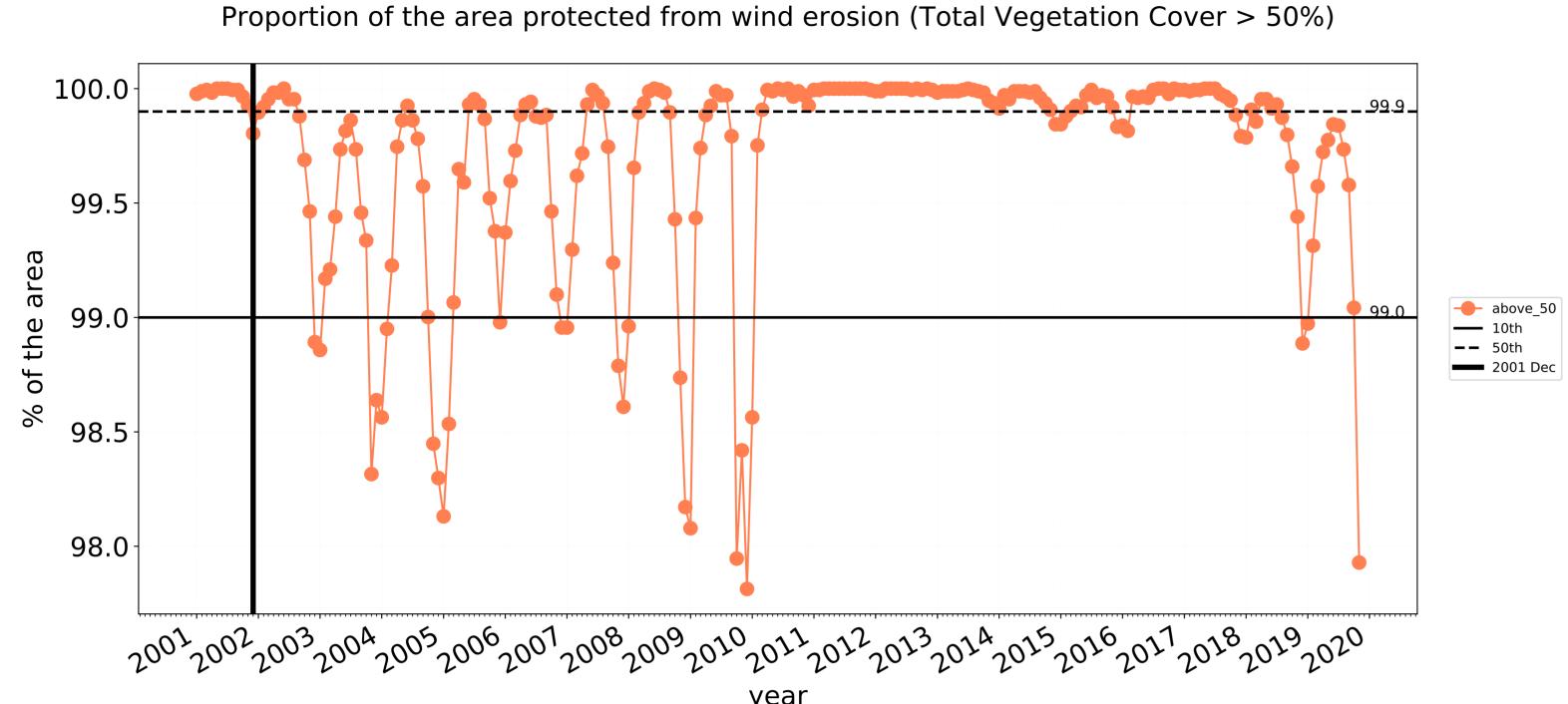


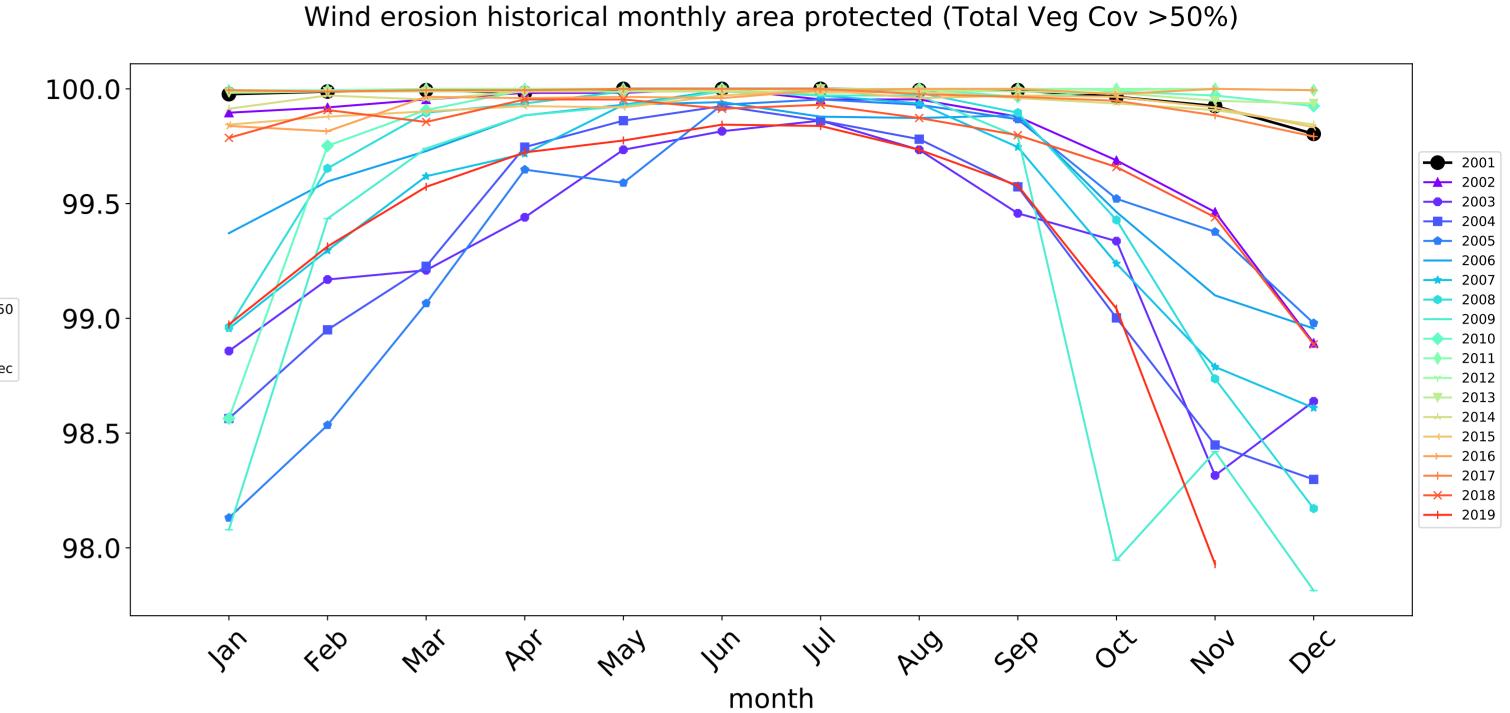


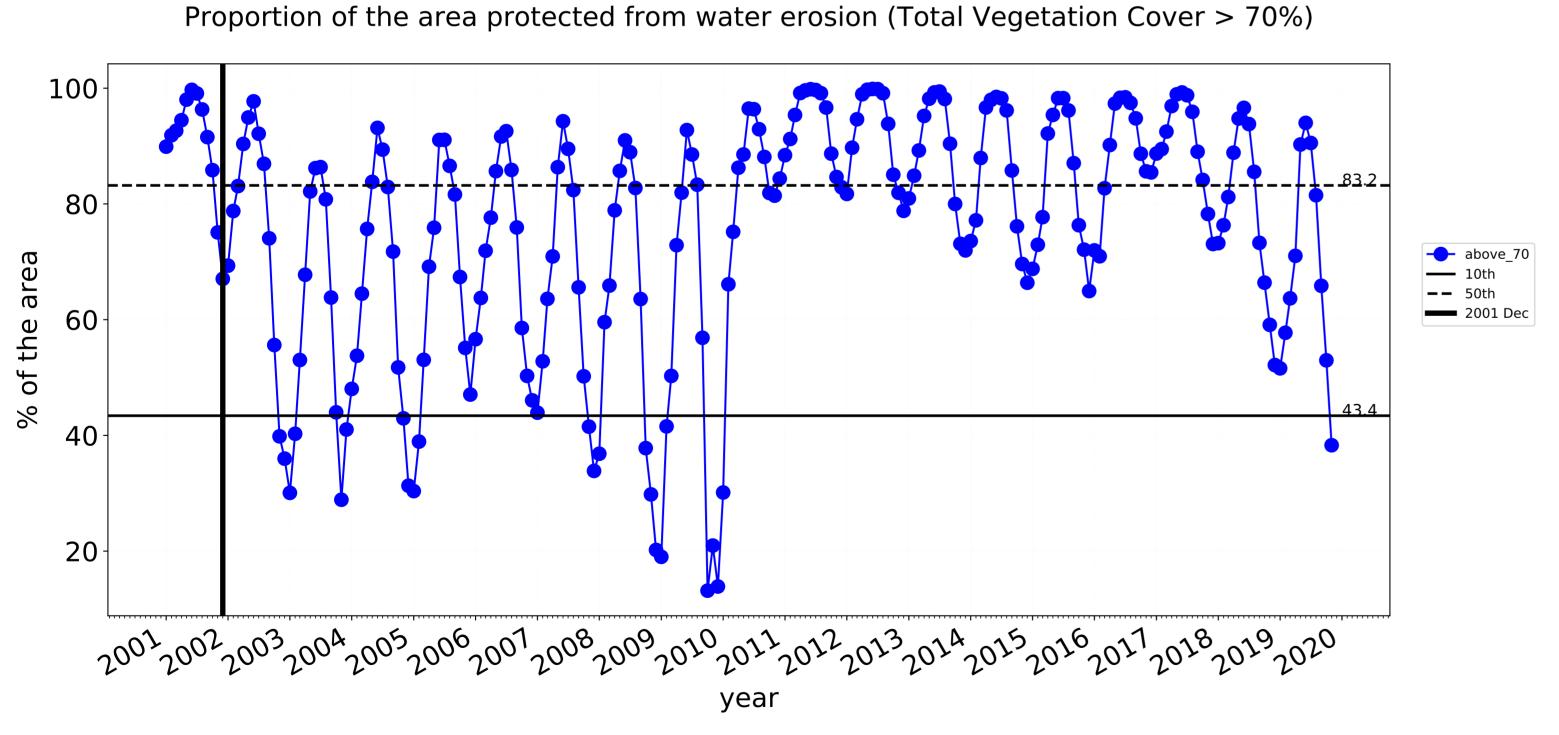


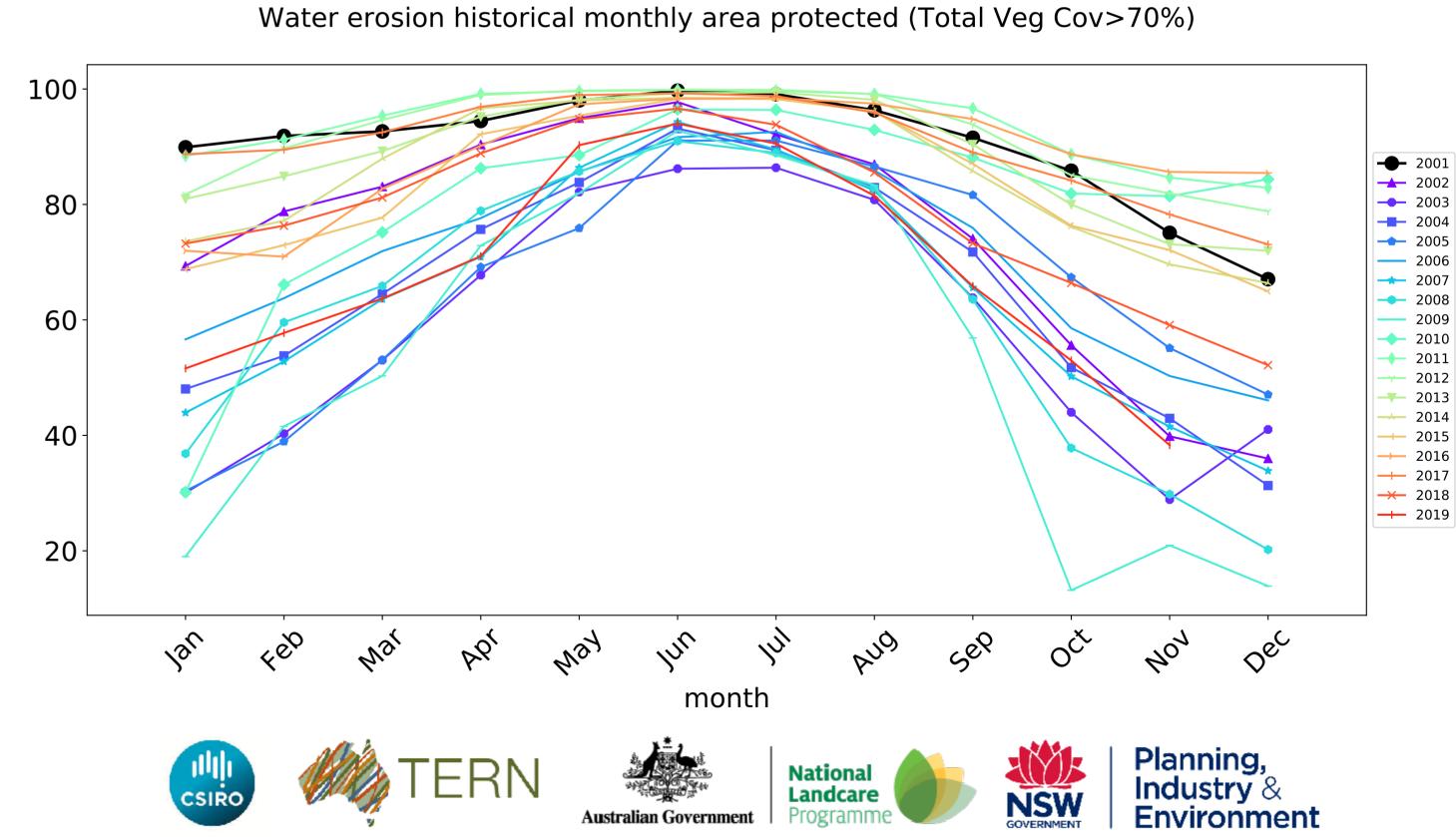








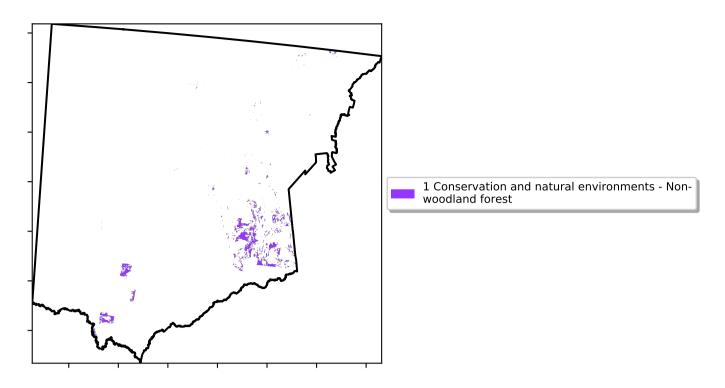




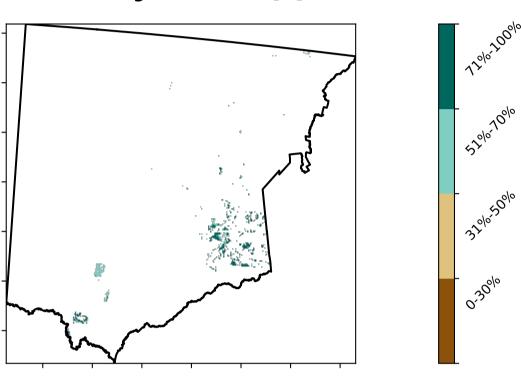
Conservation and natural environments Forest (non woodland)

Land use and forest cover

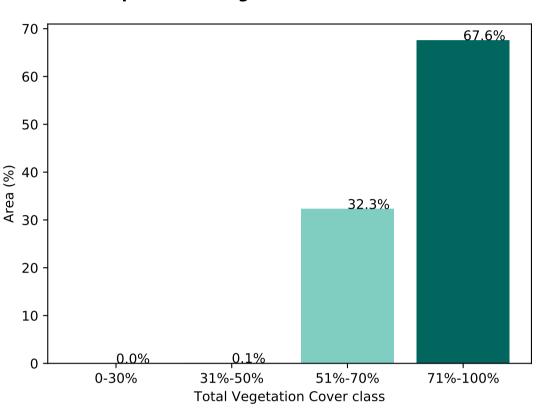
Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)



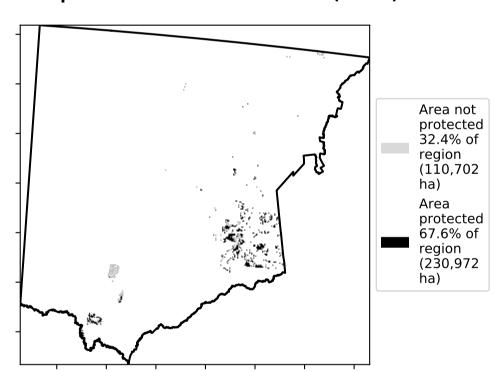
Total Vegetation Cover [%]



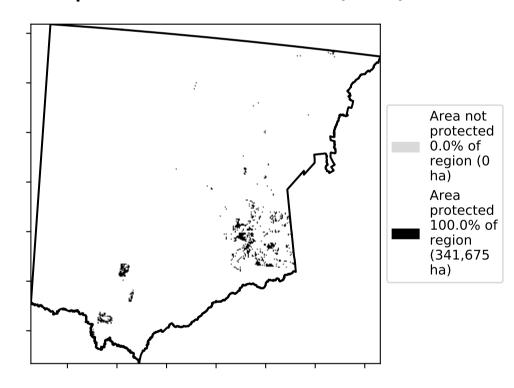
Proportion of vegetation cover class in area



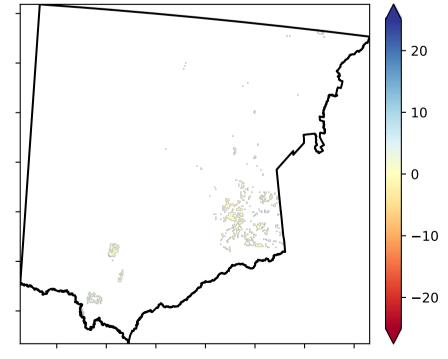
% Area protected from water erosion (>70%)



% Area protected from wind erosion (>50%)

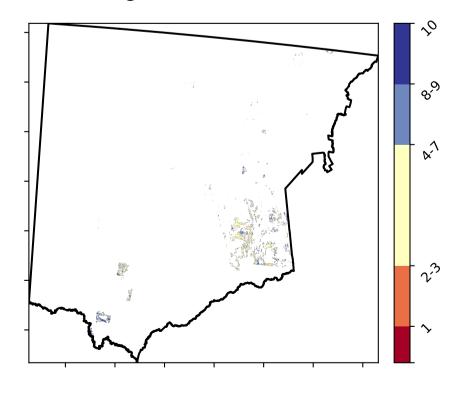


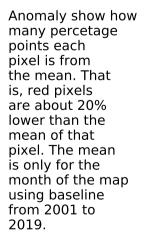
Total Vegetation Cover Anomaly [%]

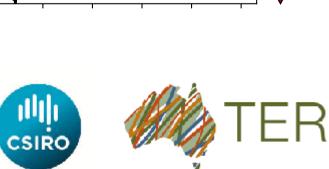


Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Total Vegetation Cover Decile [%]





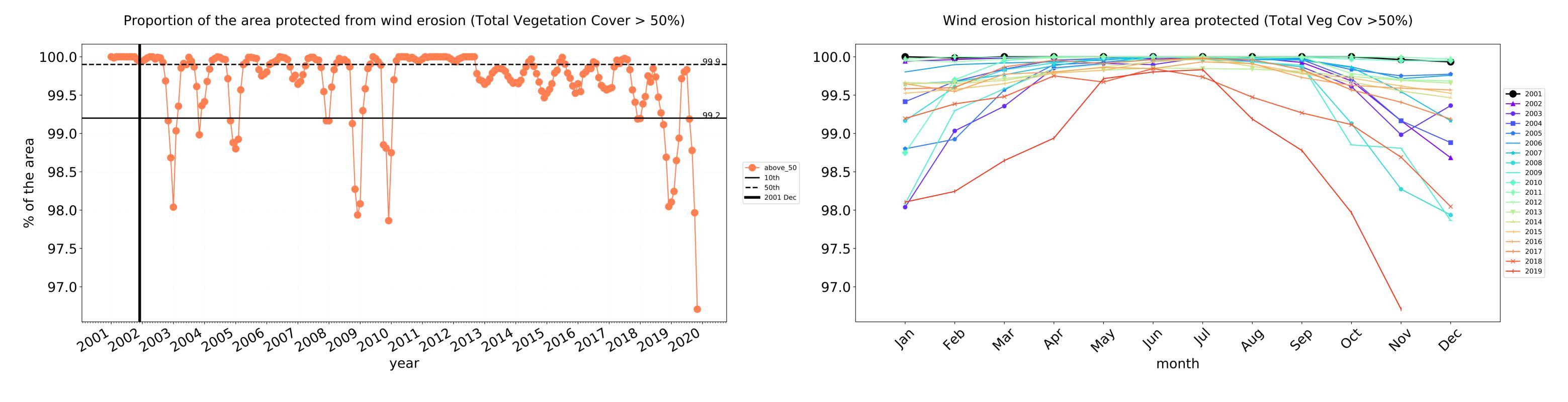


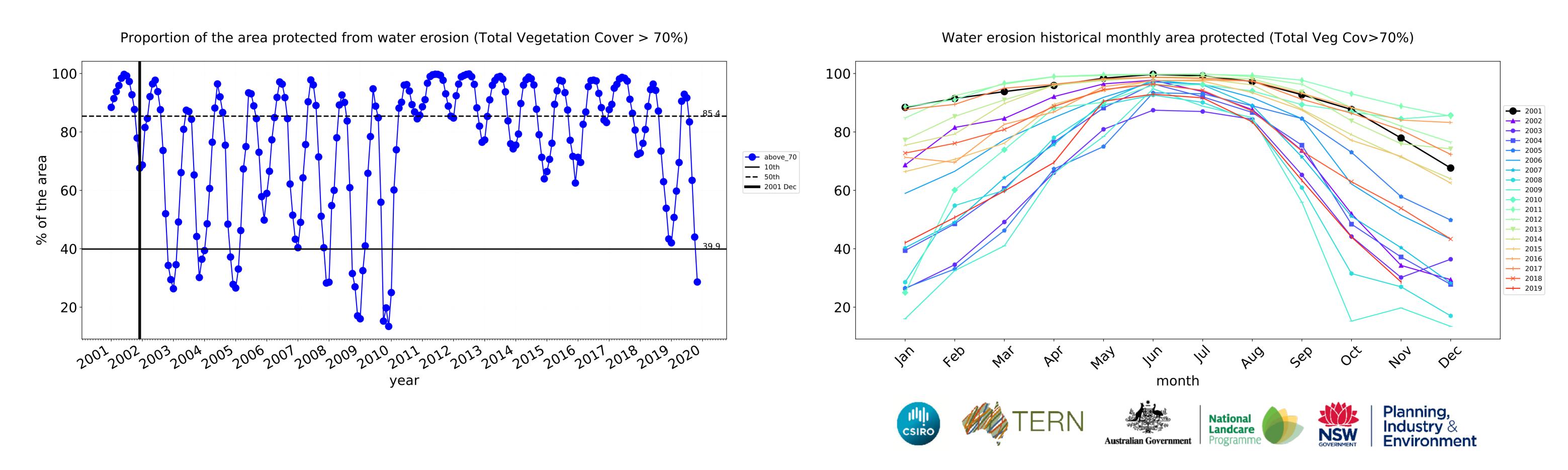












Agriculture

Land use and forest cover

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

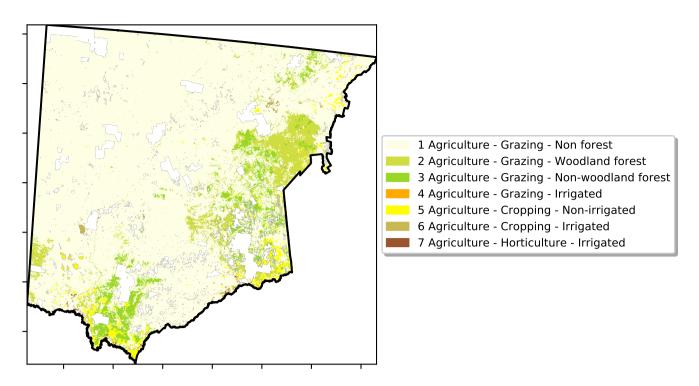
pixel is from the mean. That

is, red pixels

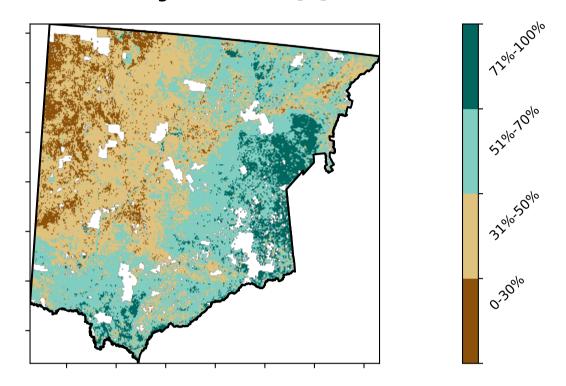
are about 20% lower than the mean of that

pixel. The mean is only for the month of the map

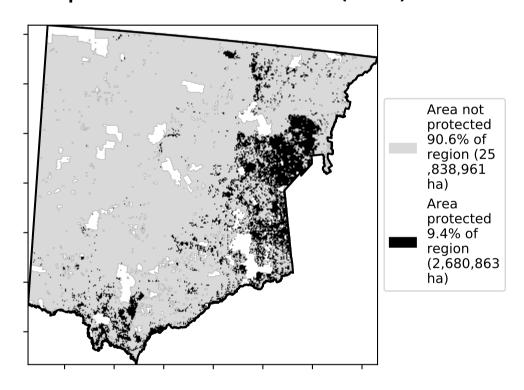
using baseline from 2001 to 2019.



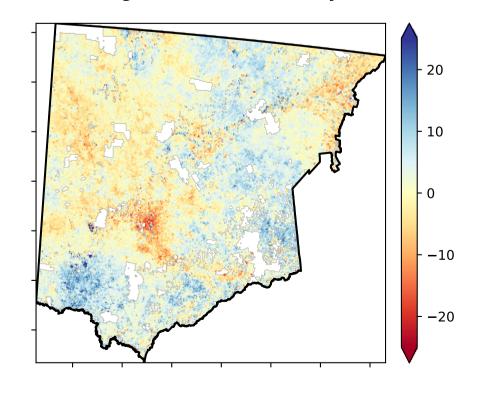
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

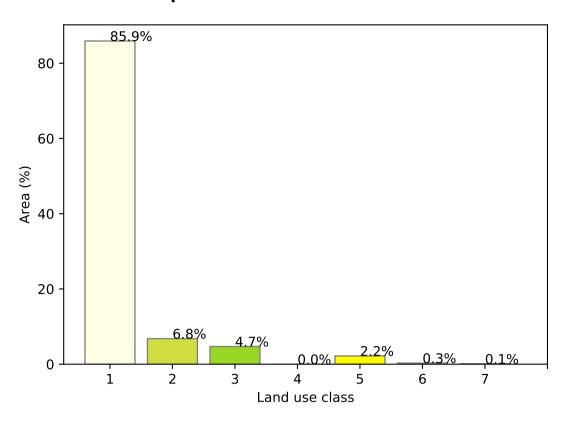


Total Vegetation Cover Anomaly [%]

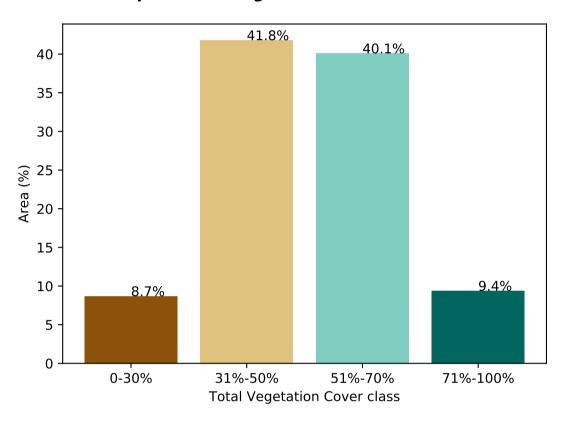


Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

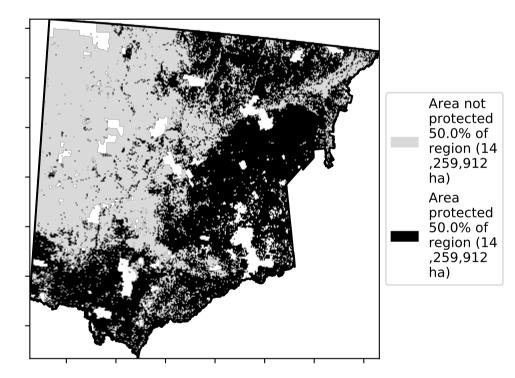
Proportion of each land class in area

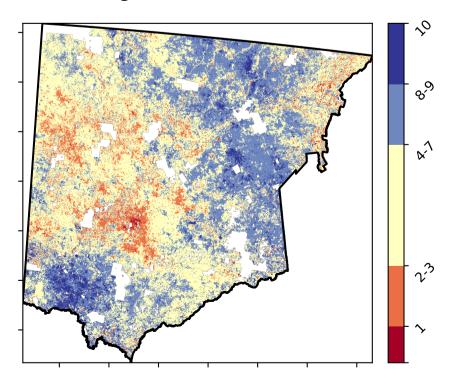


Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









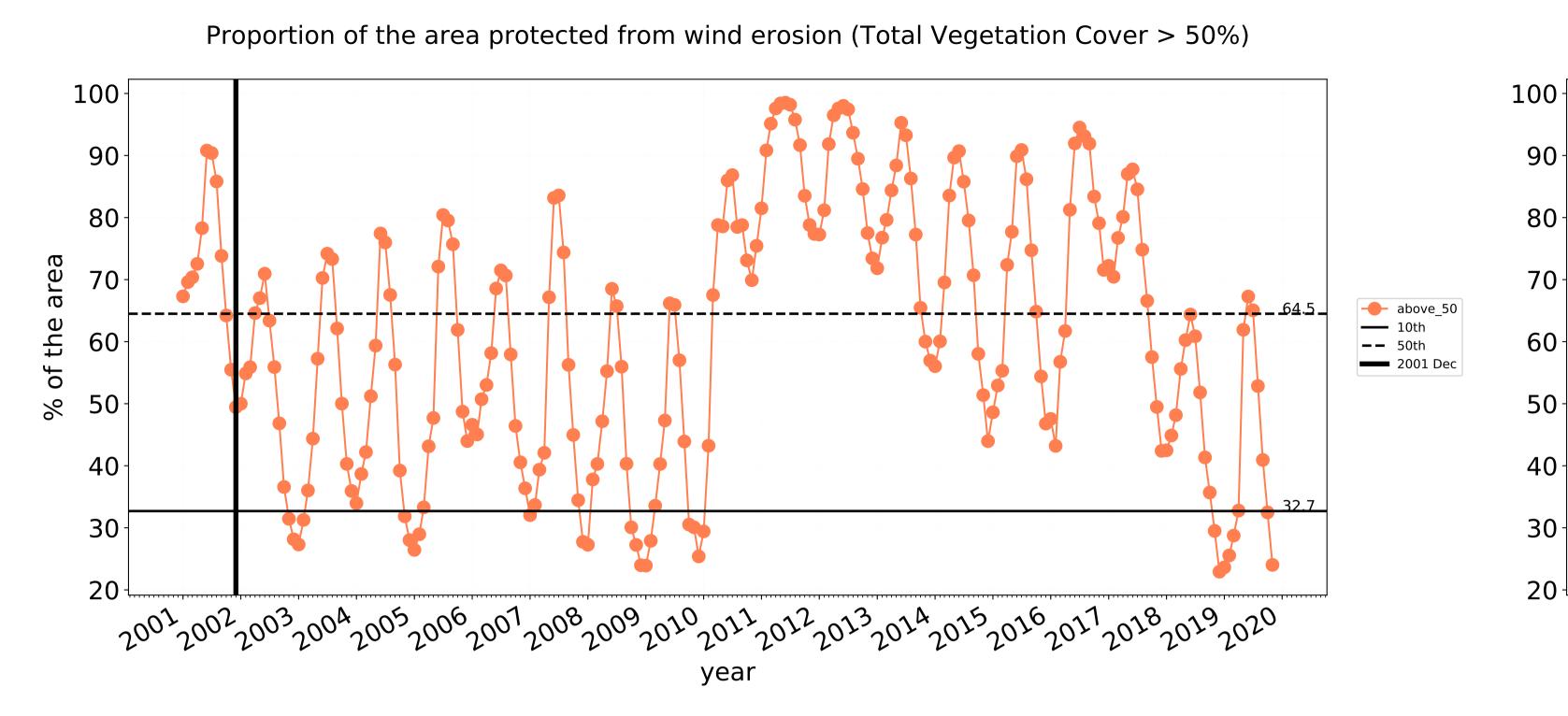




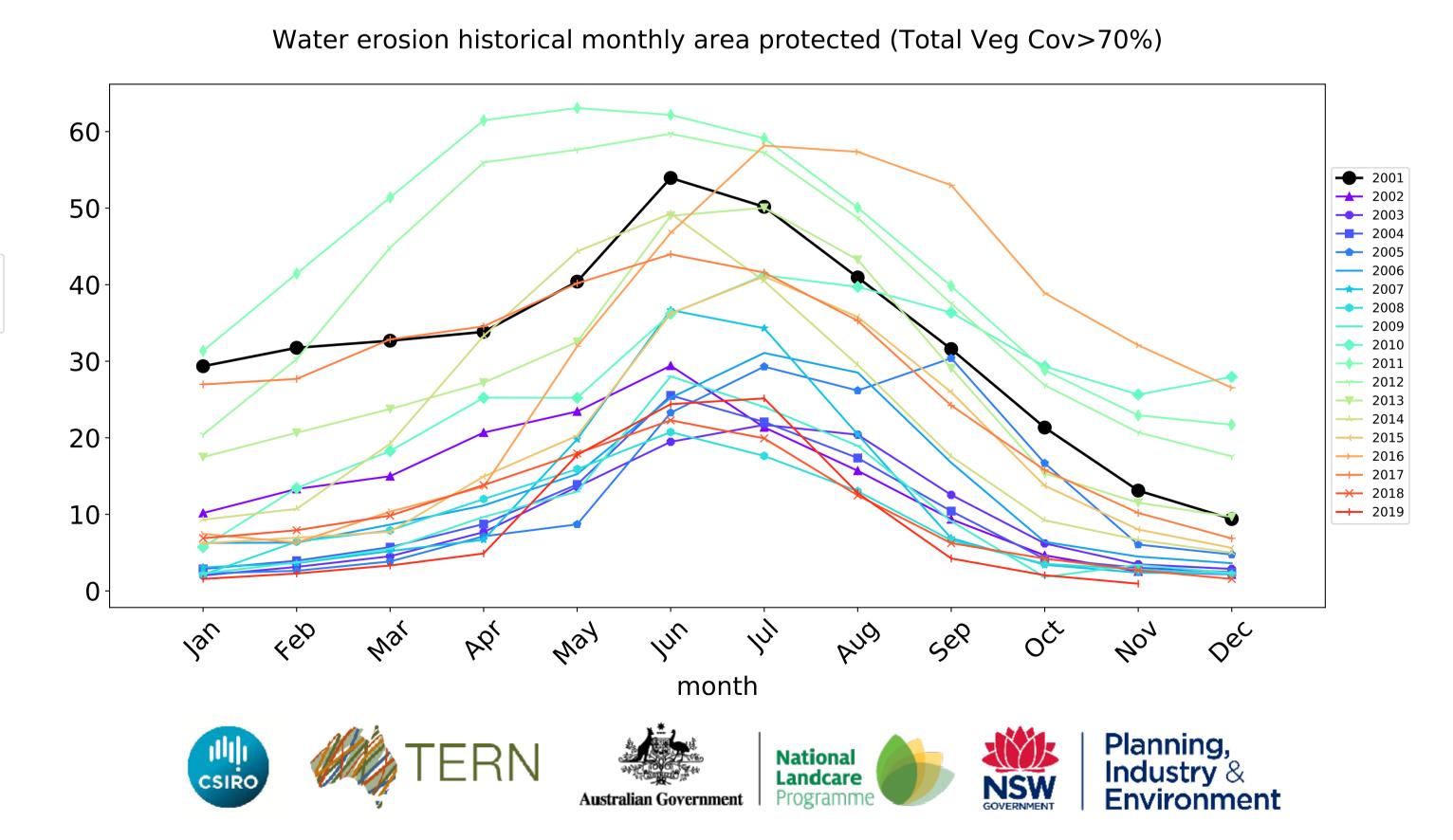




Agriculture timeseries



Proportion of the area protected from water erosion (Total Vegetation Cover > 70%) $\begin{array}{c} 60 \\ 50 \\ 40 \\ 30 \\ 30 \\ 20 \\ 10 \\ 0 \end{array}$ $\begin{array}{c} 32.6 \\ 32.6 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32.0 \\ 32$



Grazing

- Constitution of the cons

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

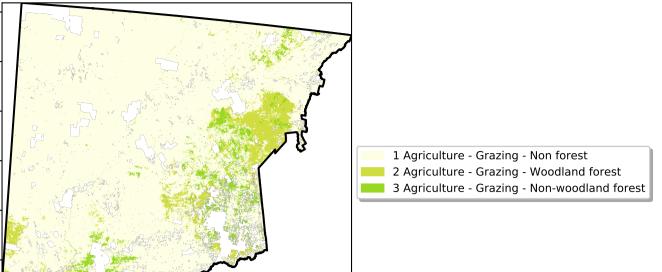
Anomaly show how many percetage points each

pixel is from the mean. That

pixel. The mean is only for the month of the map

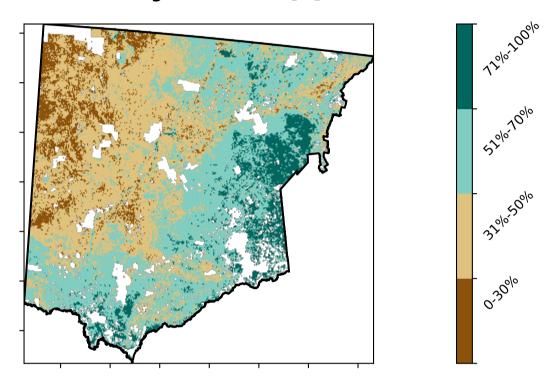
using baseline from 2001 to 2019.

is, red pixels are about 20% lower than the mean of that

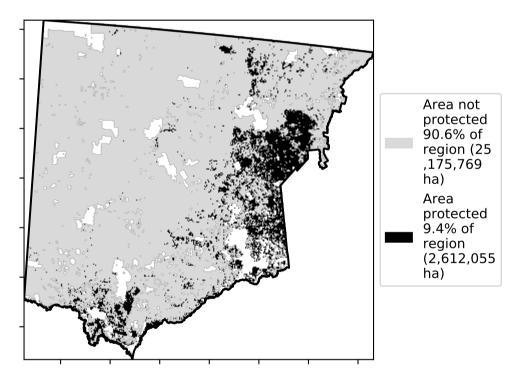


Total Vegetation Cover [%]

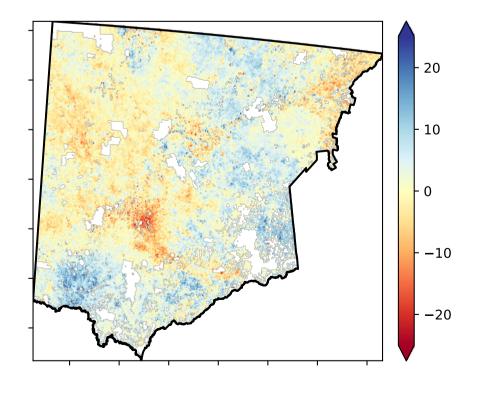
Land use and forest cover



% Area protected from water erosion (>70%)

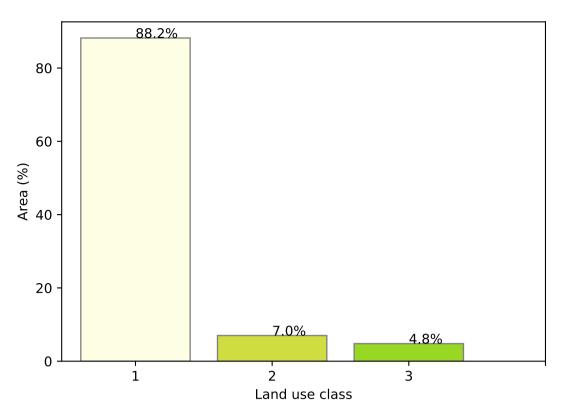


Total Vegetation Cover Anomaly [%]

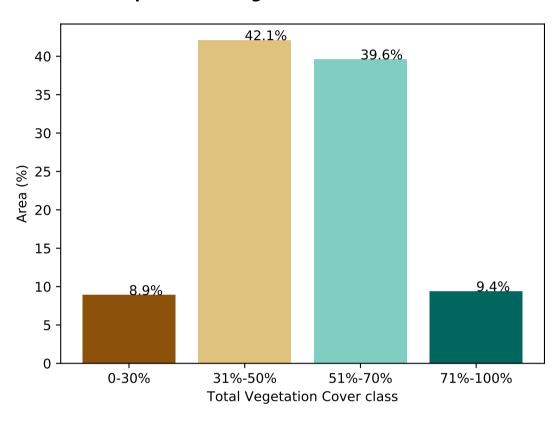


Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

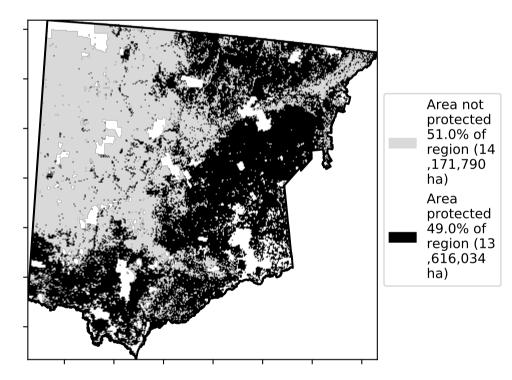
Proportion of each land class in area

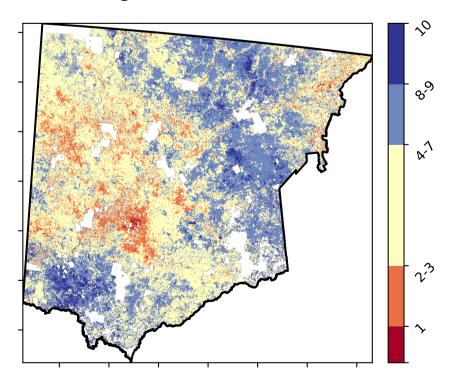


Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









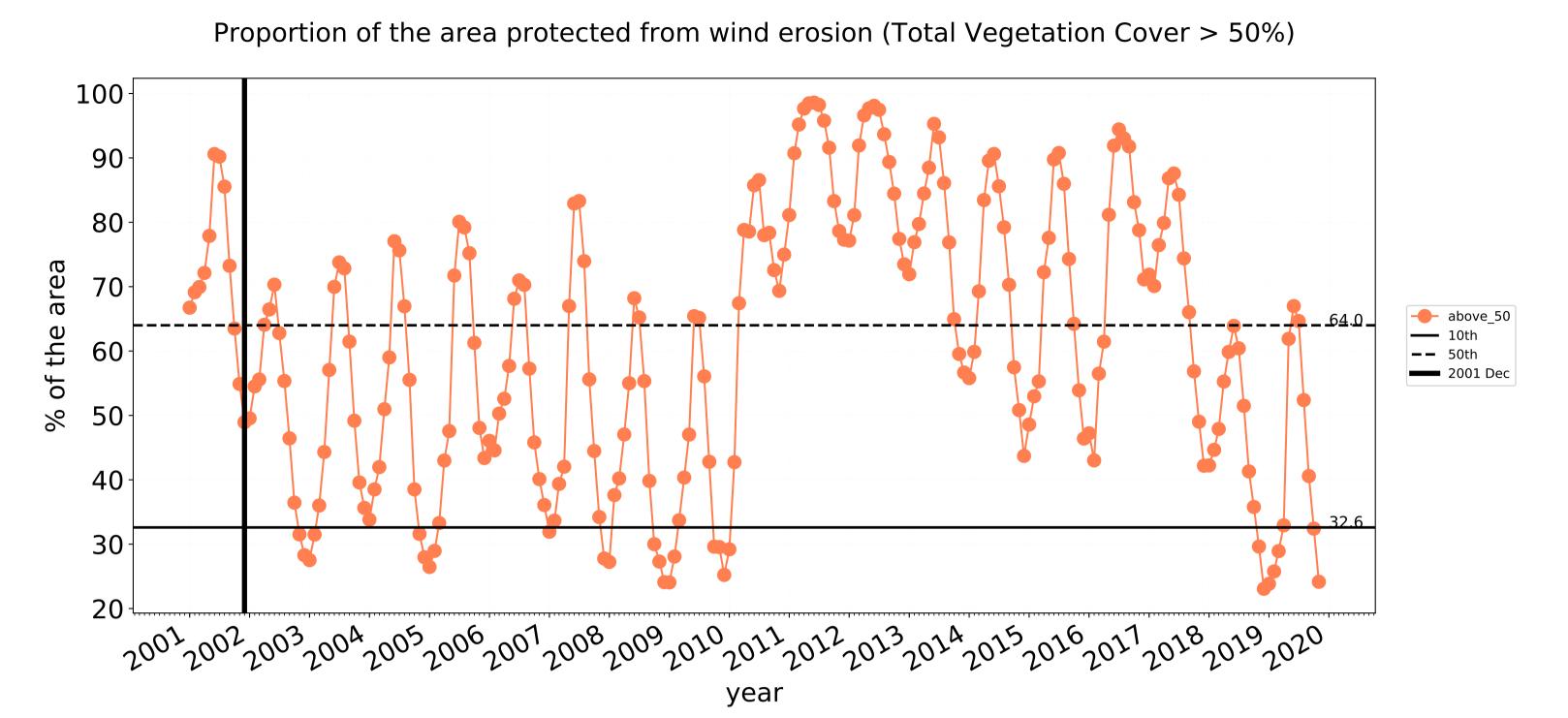




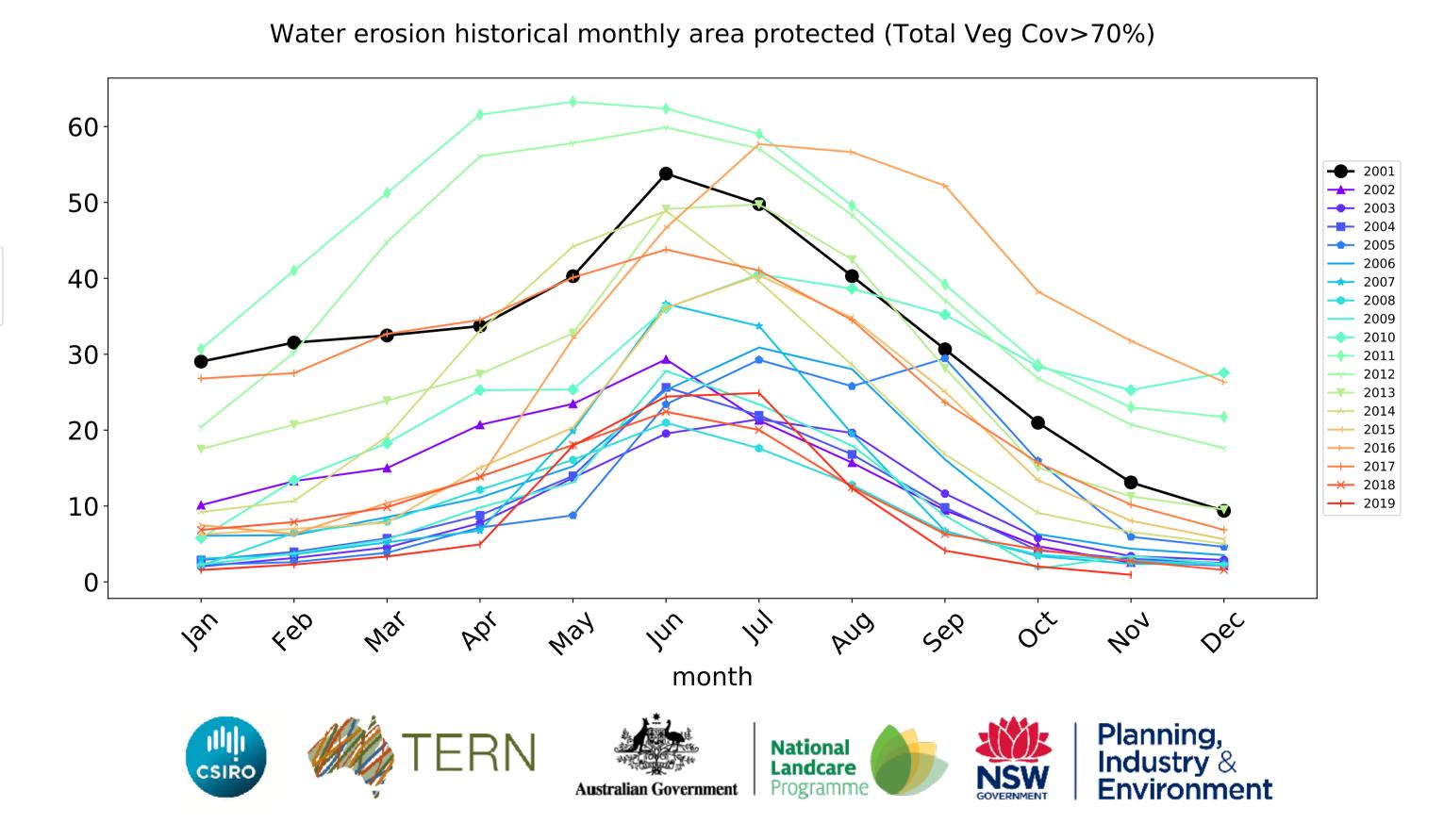




Grazing timeseries



Wind erosion historical monthly area protected (Total Veg Cov >50%) 100 90-80 70-2008 2009 **2010** 60 2011 2012 **2013** 50 2014 ← 2015 **→** 2016 40 → 2017 → 2018 → 2019 30-20



Grazing non forest

Land use and forest cover

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

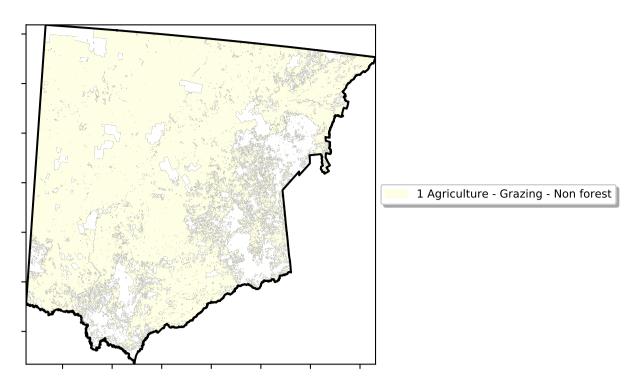
Anomaly show how many percetage points each

pixel is from the mean. That

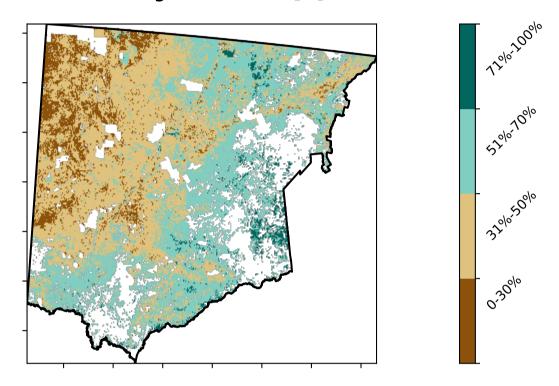
is, red pixels are about 20% lower than the

mean of that

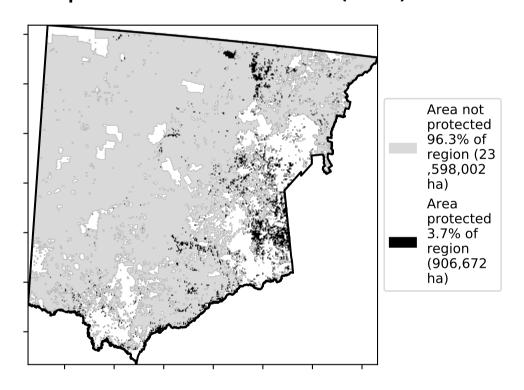
pixel. The mean is only for the month of the map using baseline from 2001 to 2019.



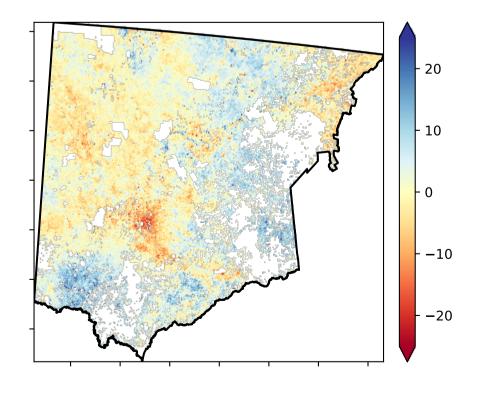
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

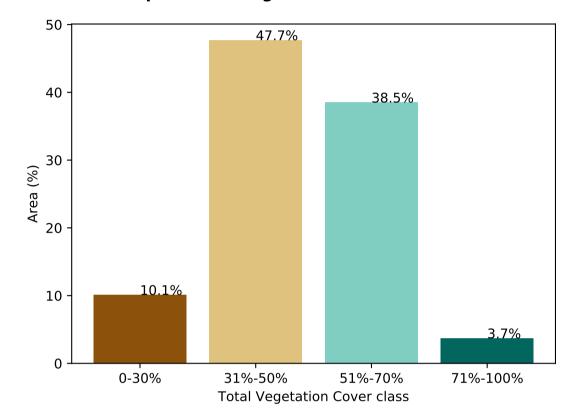


Total Vegetation Cover Anomaly [%]

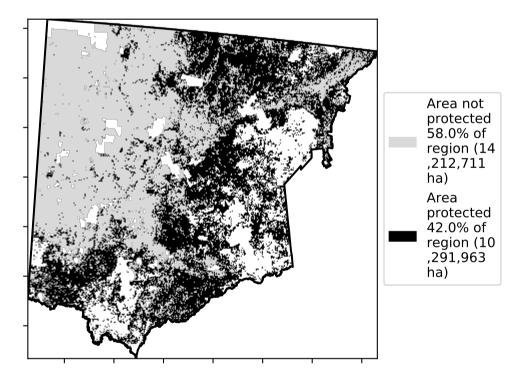


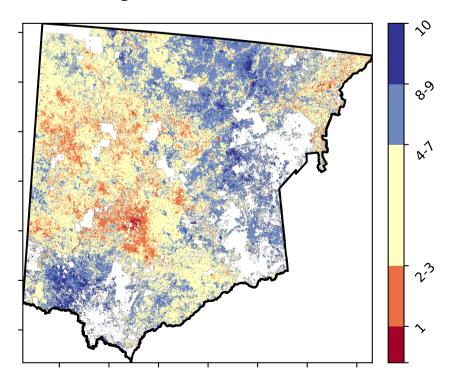
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









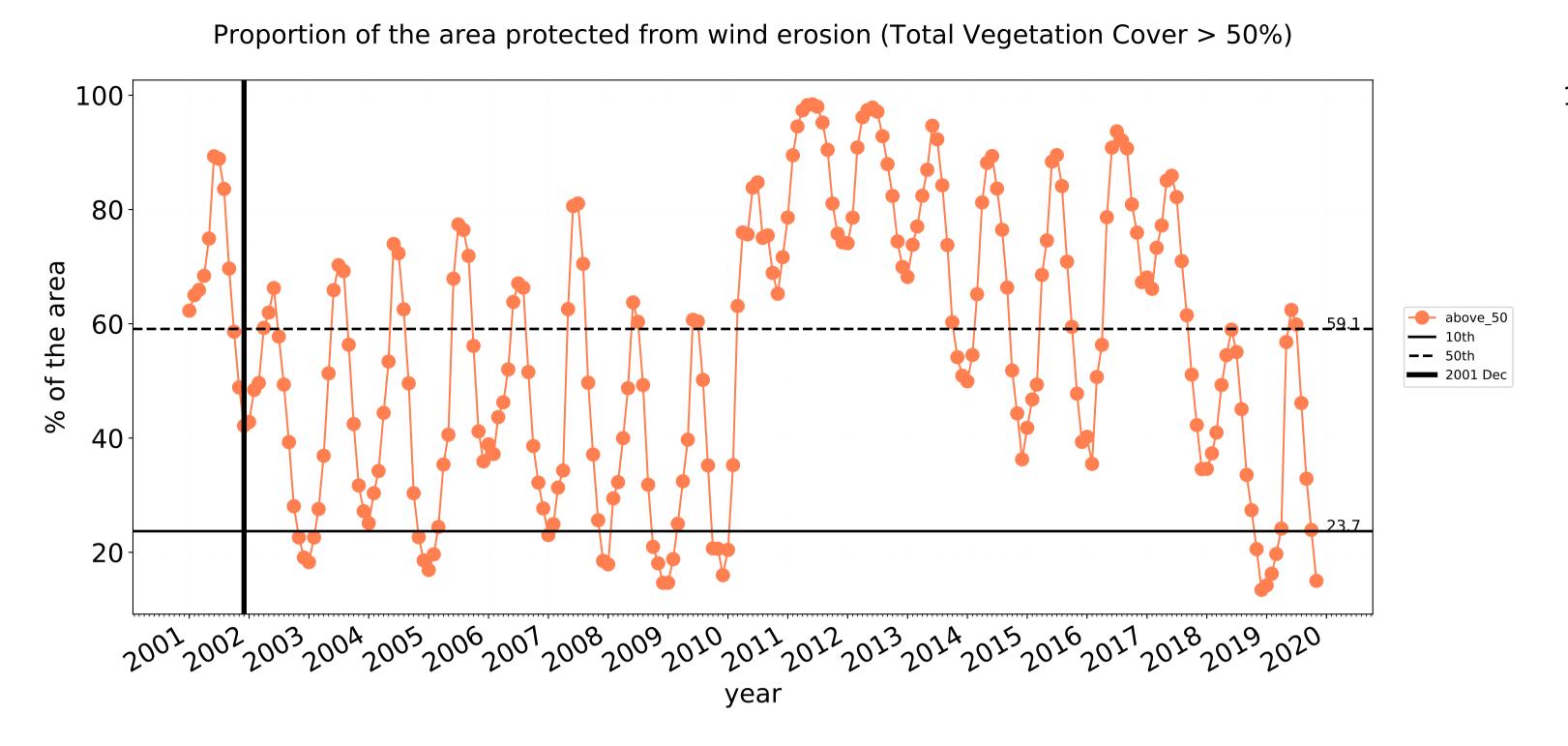


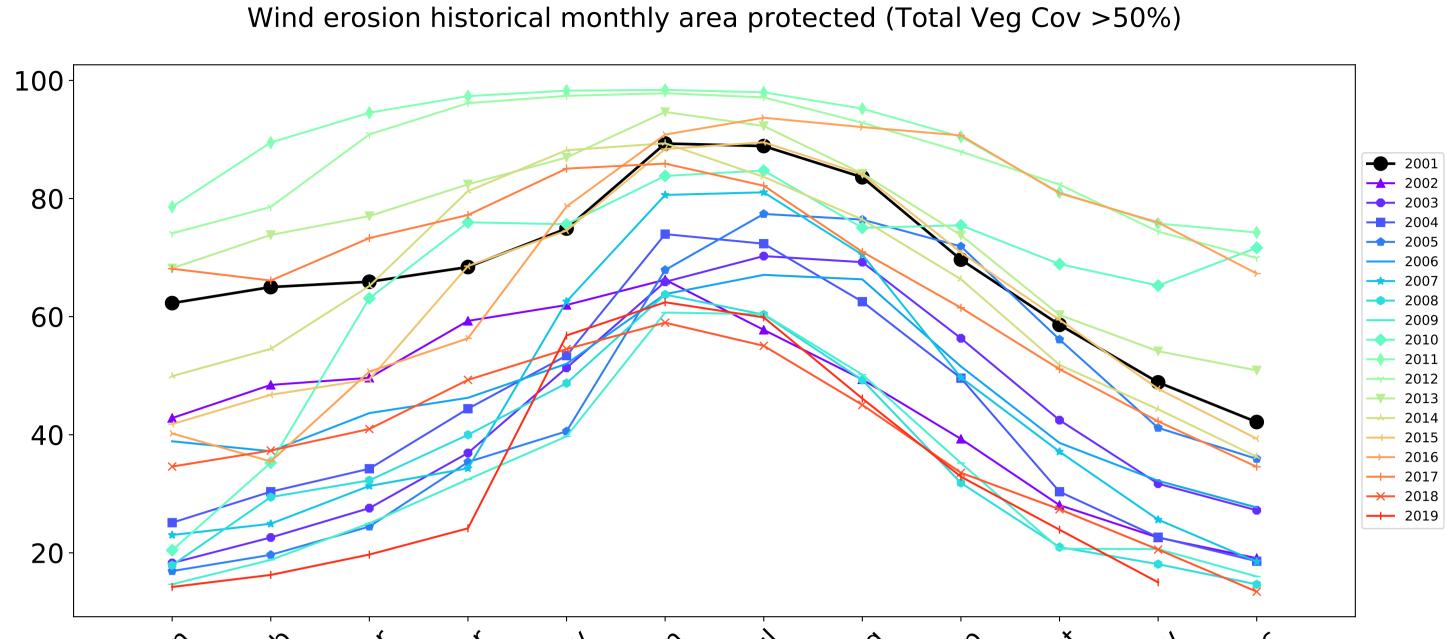


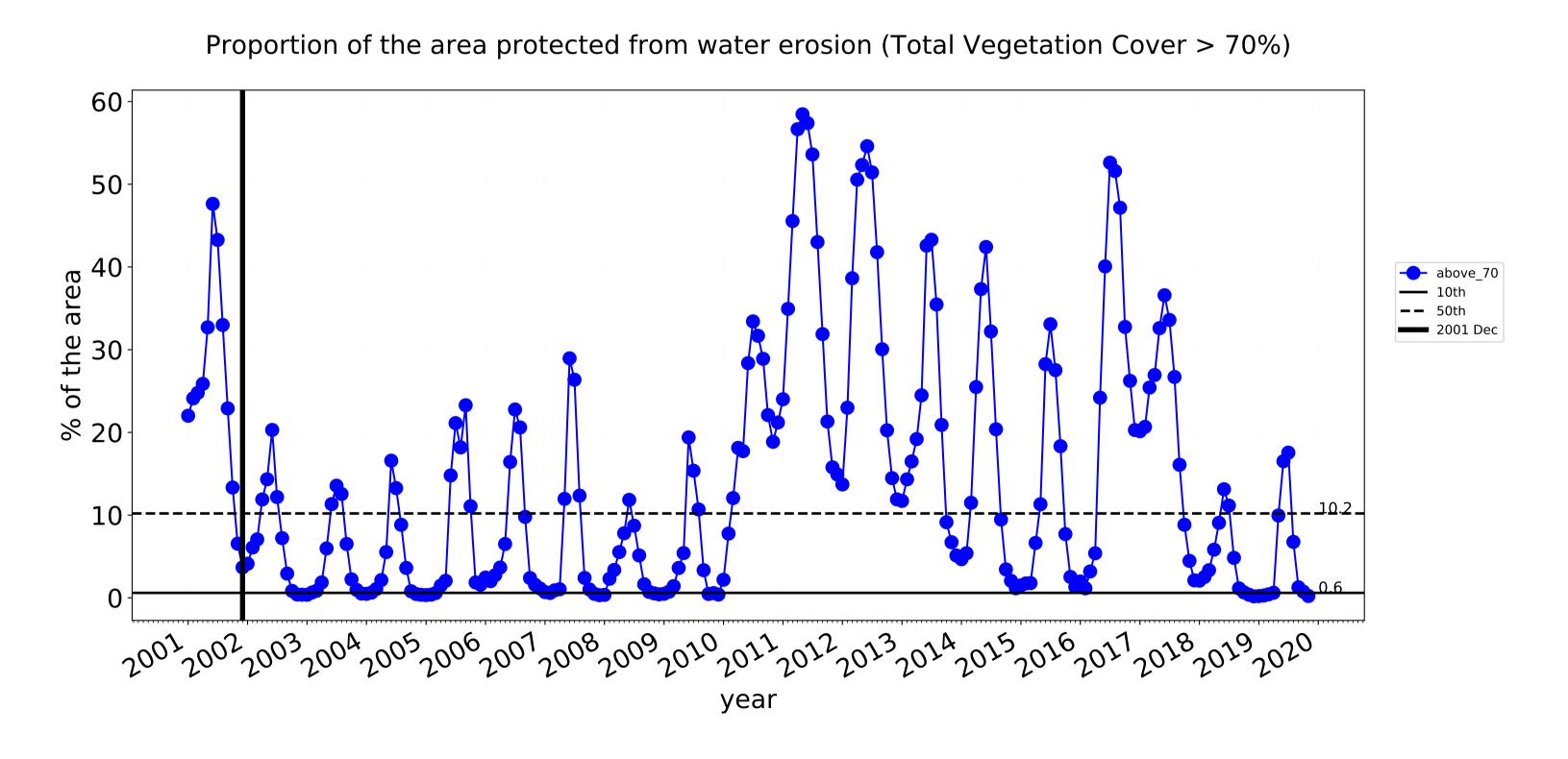


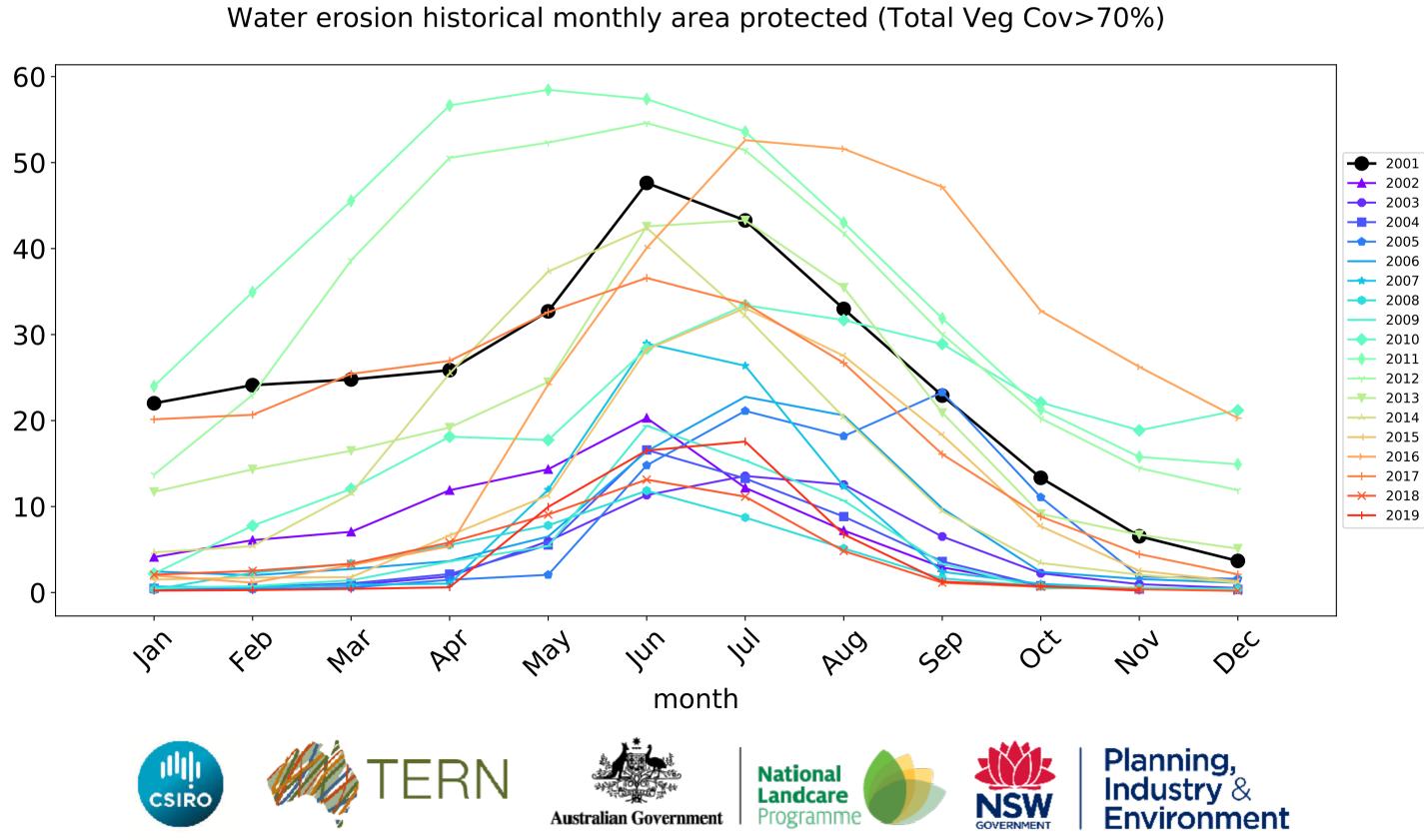


Grazing non forest timeseries









Grazing Woodland forest

Land use and forest cover

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

pixel is from the mean. That

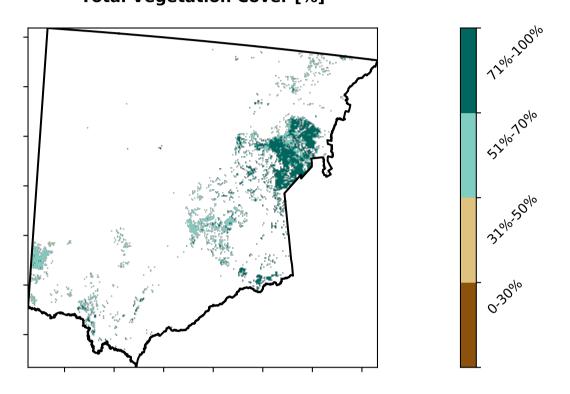
pixel. The mean is only for the month of the map

using baseline from 2001 to 2019.

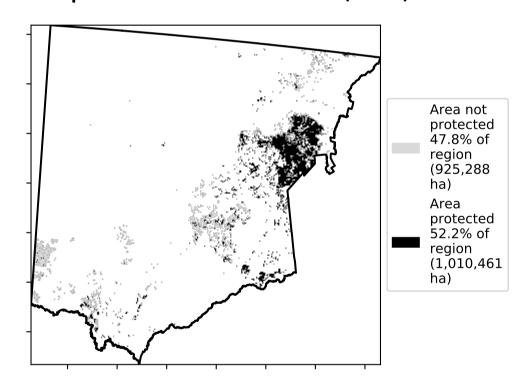
is, red pixels are about 20% lower than the mean of that



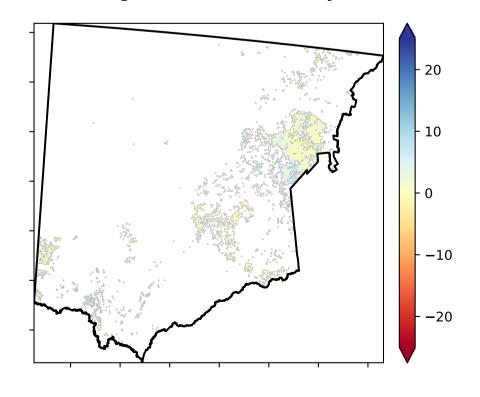
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

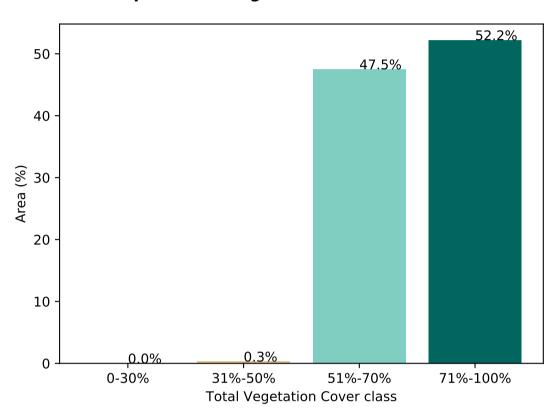


Total Vegetation Cover Anomaly [%]

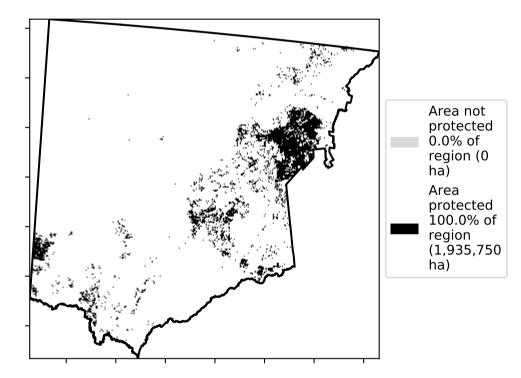


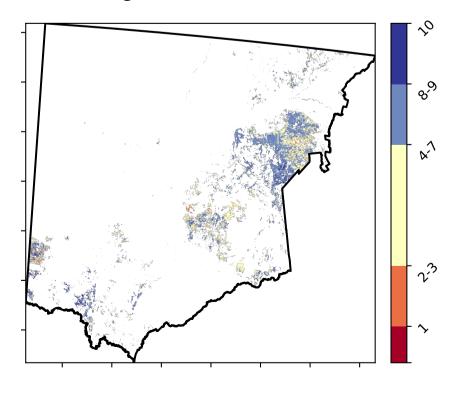
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









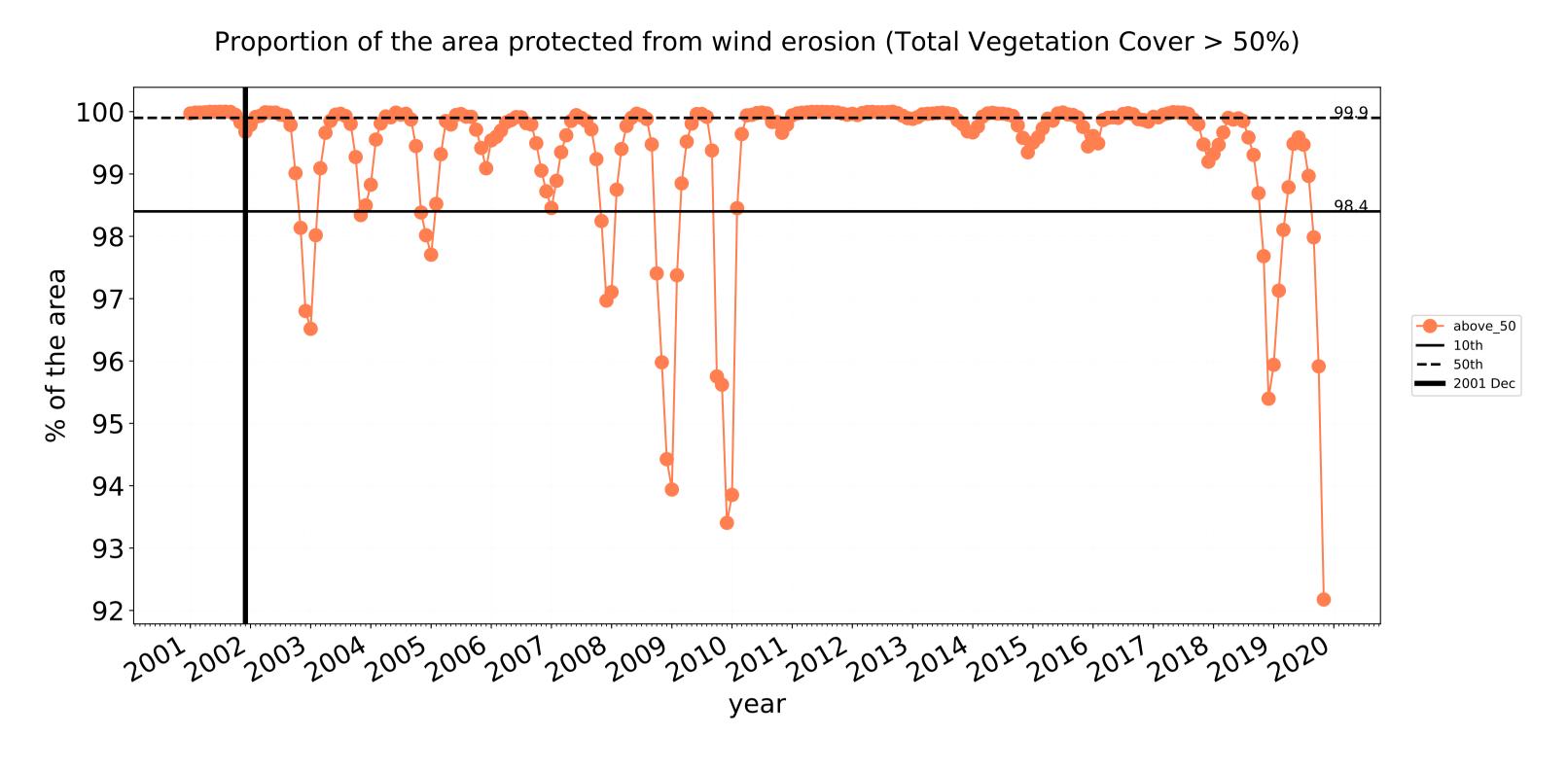


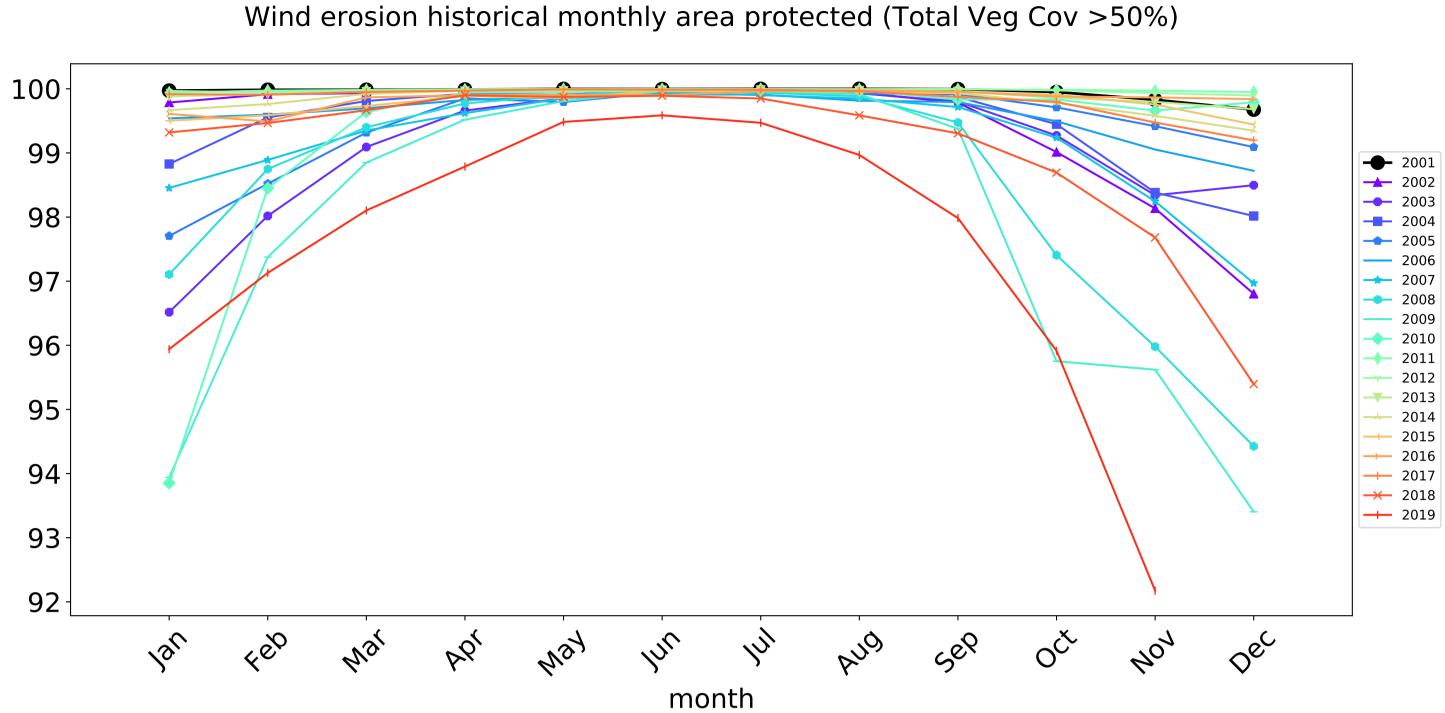


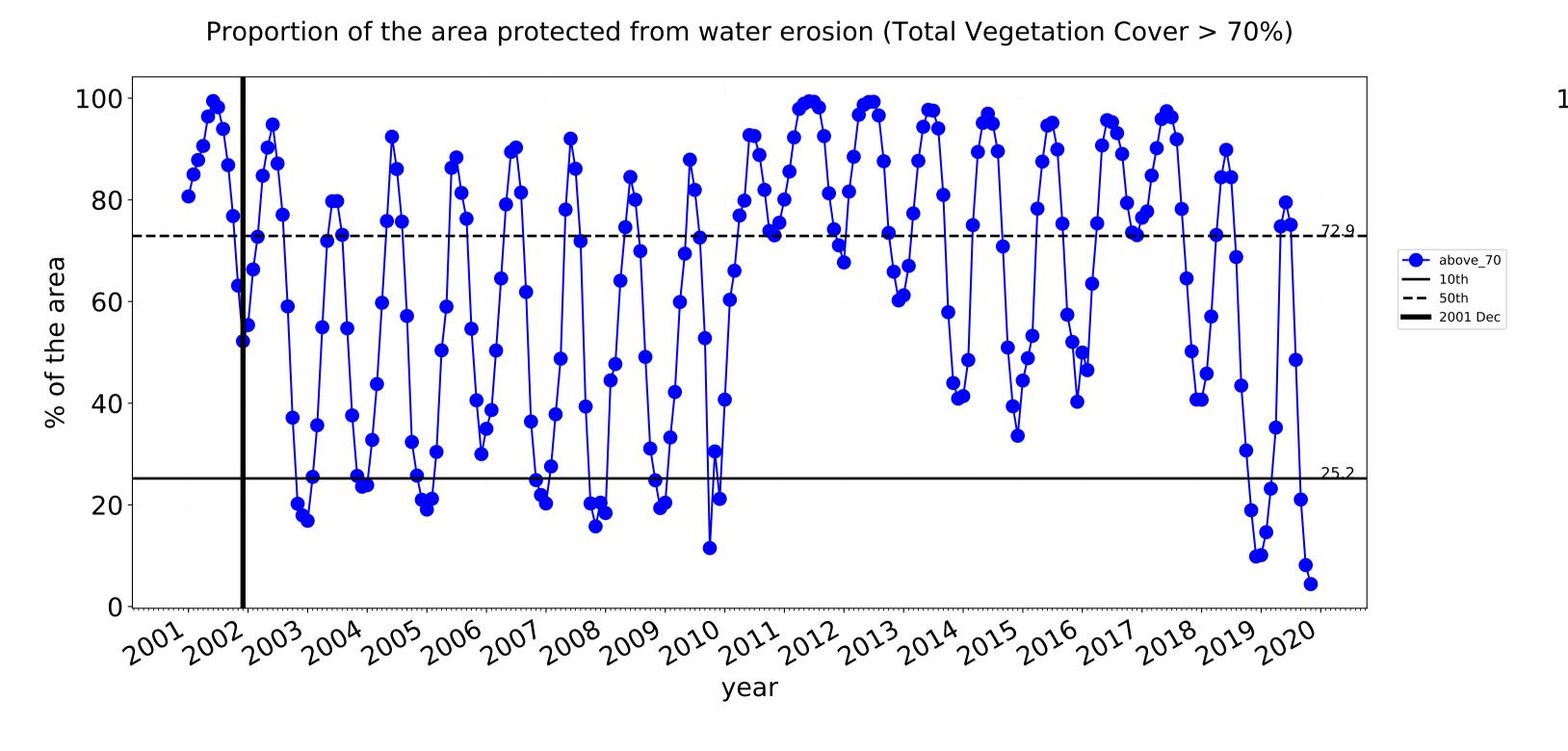


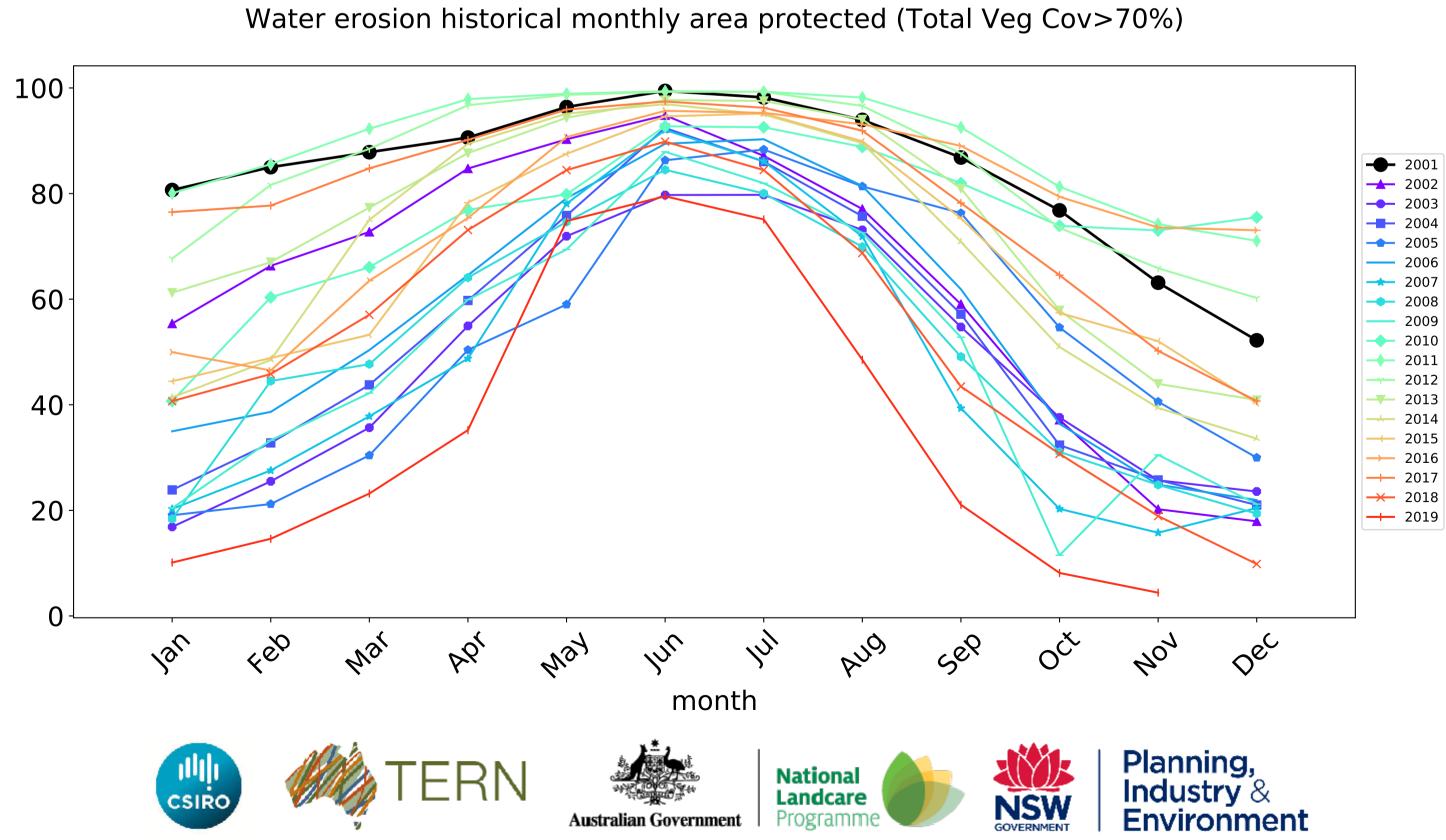


Grazing Woodland forest timeseries









Grazing - Forest (non woodland)

Land use and forest cover

Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

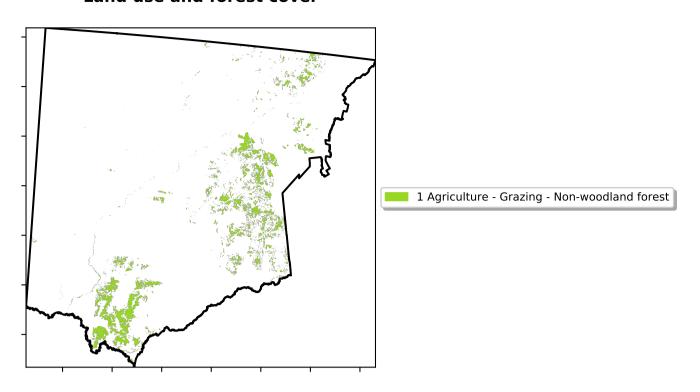
Anomaly show how many percetage points each

pixel is from the mean. That

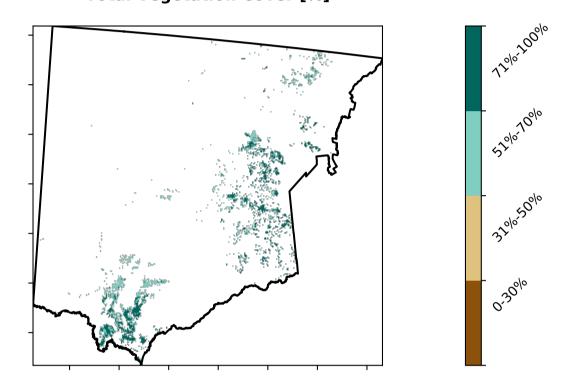
pixel. The mean is only for the month of the map

using baseline from 2001 to 2019.

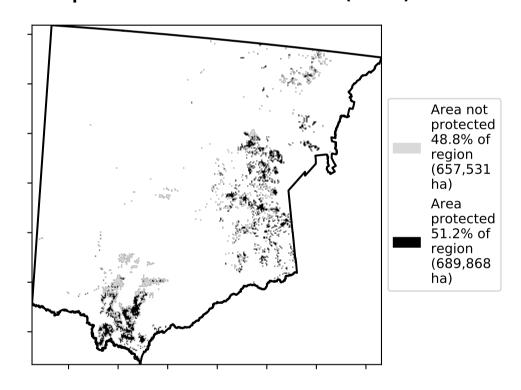
is, red pixels are about 20% lower than the mean of that



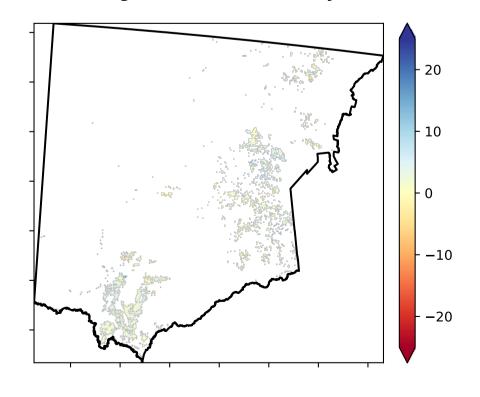
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

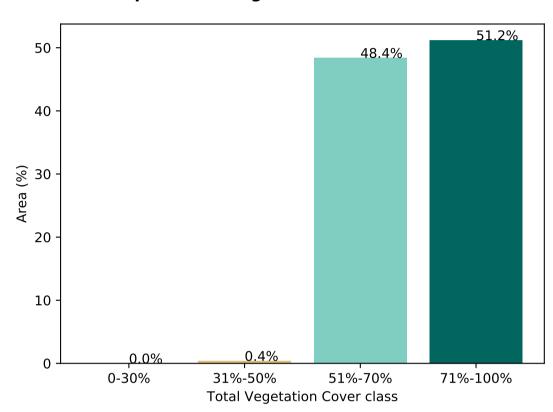


Total Vegetation Cover Anomaly [%]

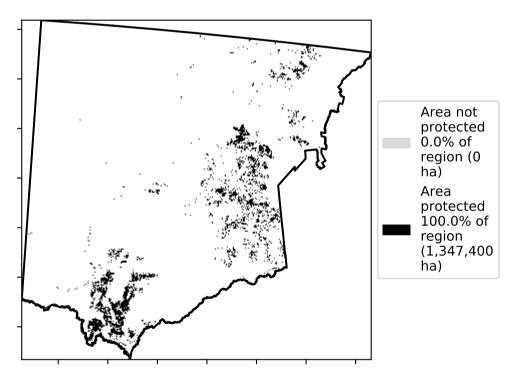


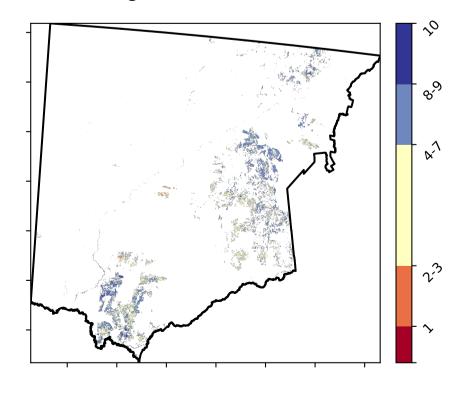
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)







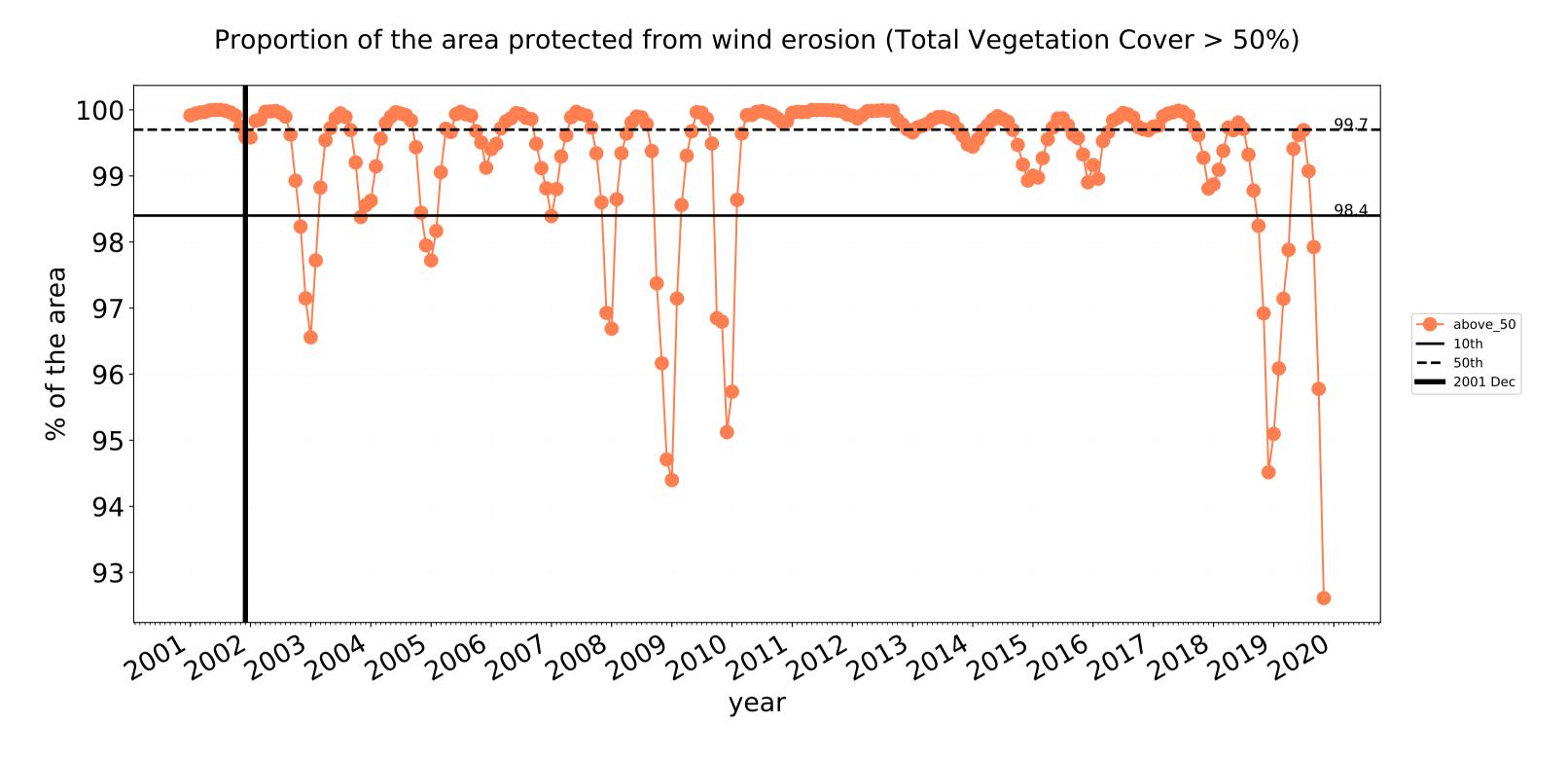


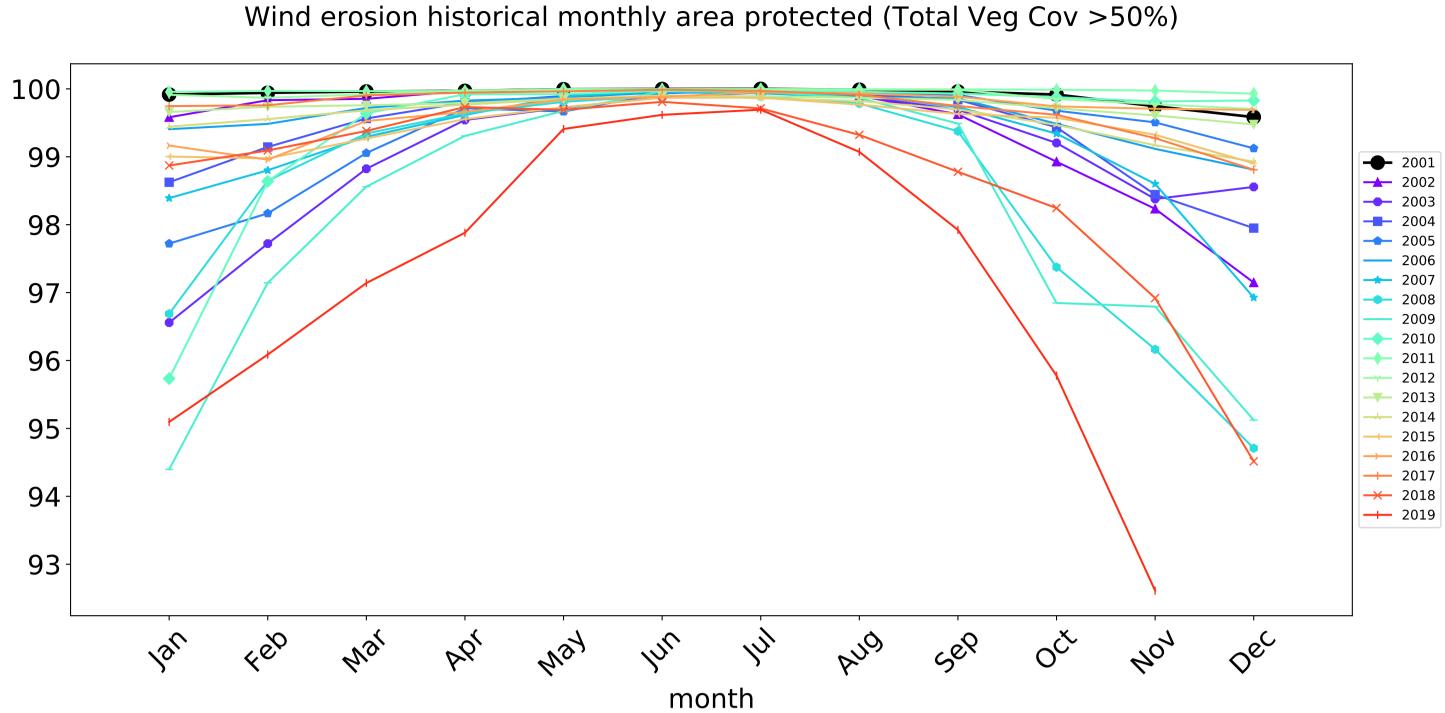


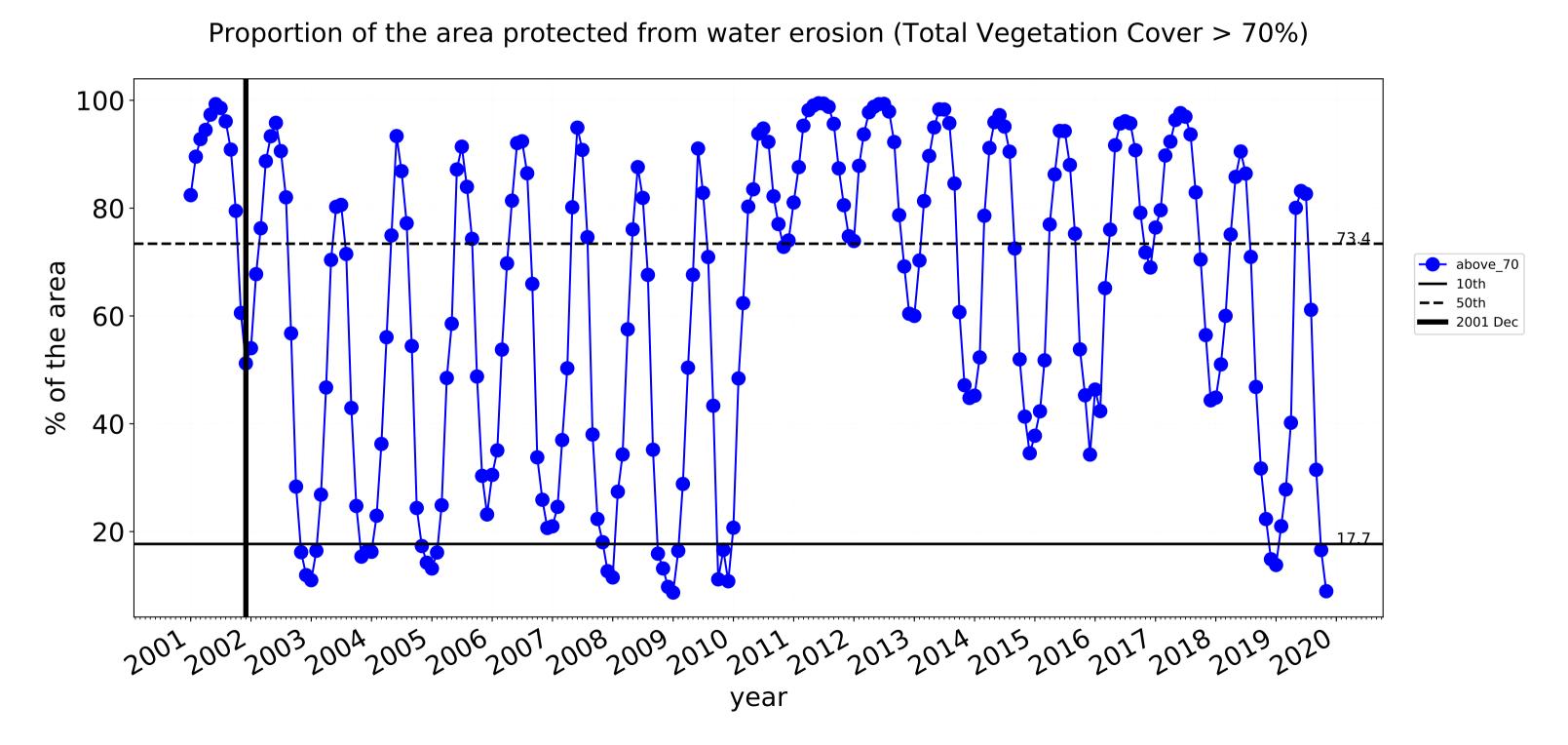


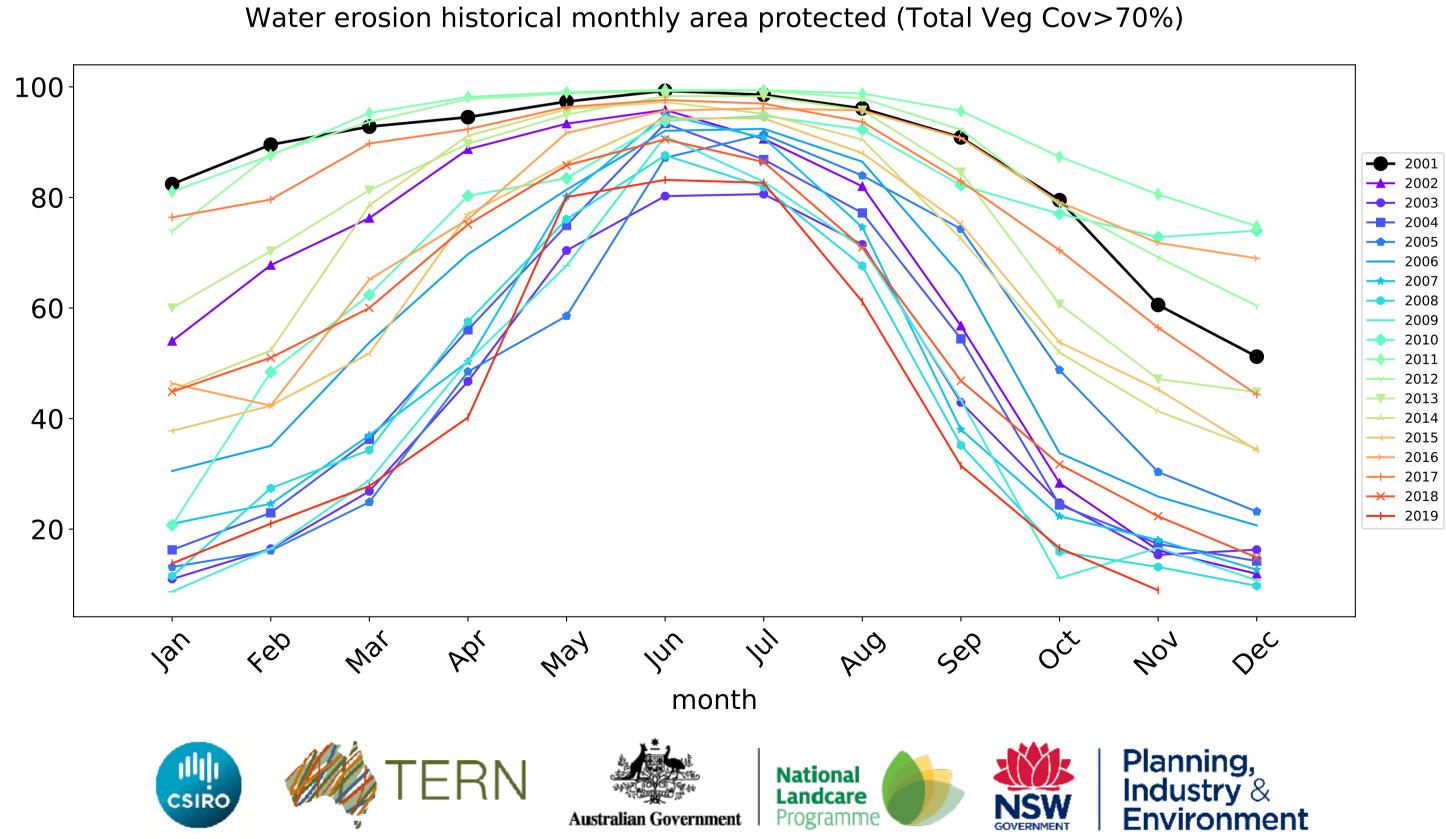












Cropping

Land use and forest cover

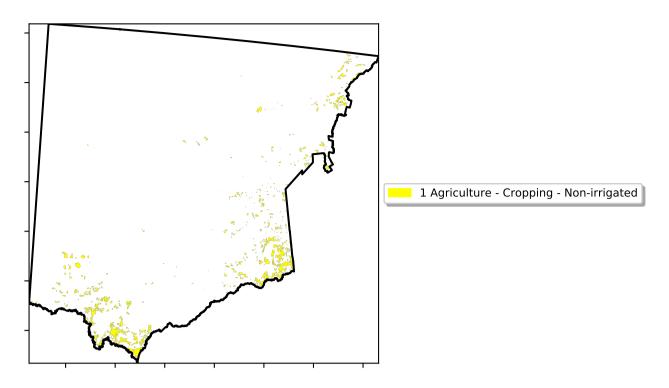
Catchment Scale Land Use and Forests of Australia (2018) Derived from Catchment Scale Land Use of Australia (2018) and Forests of Australia (2018)

Anomaly show how many percetage points each

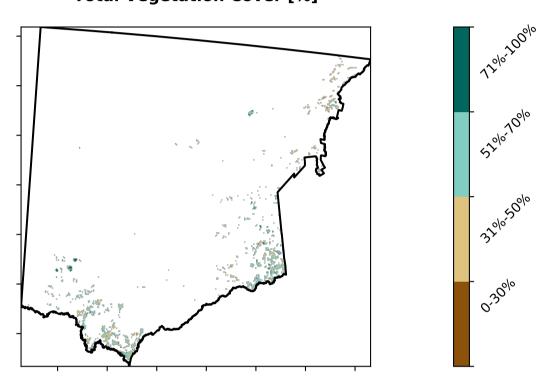
pixel is from the mean. That

is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map

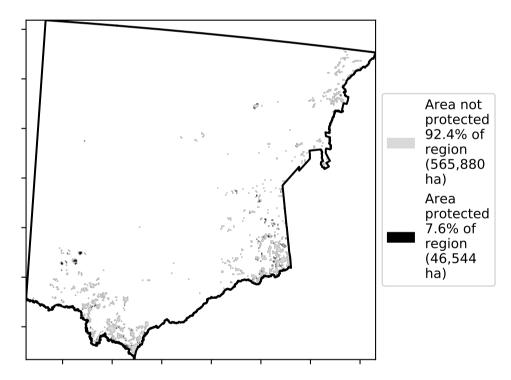
using baseline from 2001 to 2019.



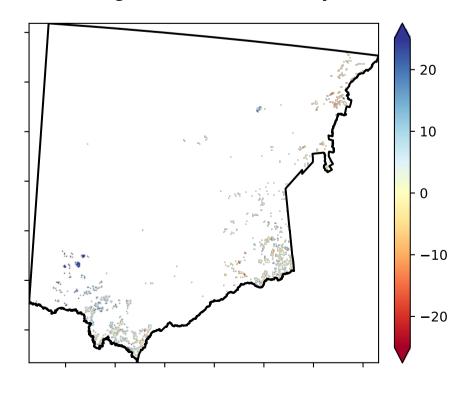
Total Vegetation Cover [%]



% Area protected from water erosion (>70%)

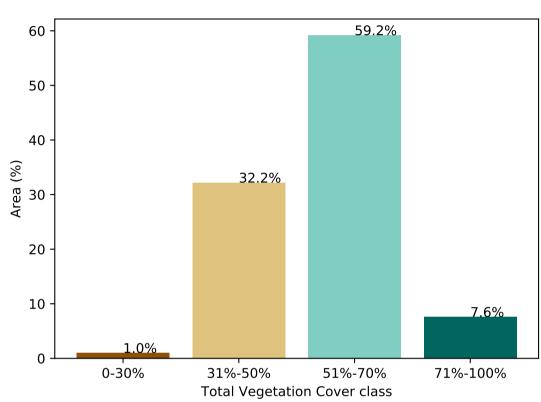


Total Vegetation Cover Anomaly [%]

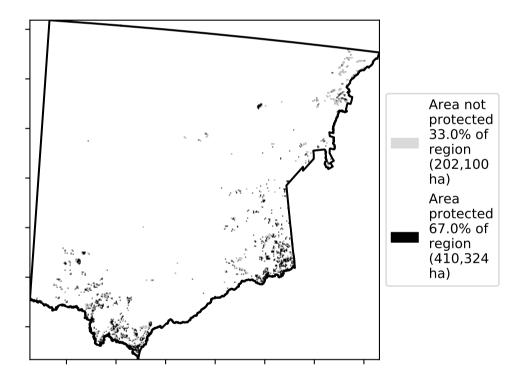


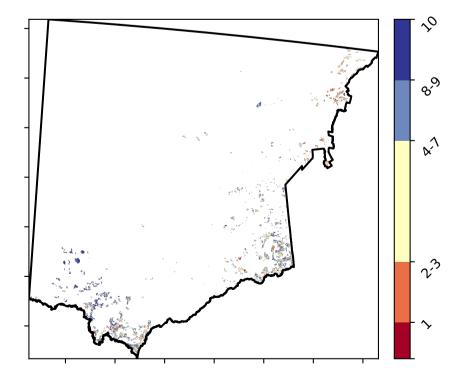
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

Proportion of vegetation cover class in area



% Area protected from wind erosion (>50%)









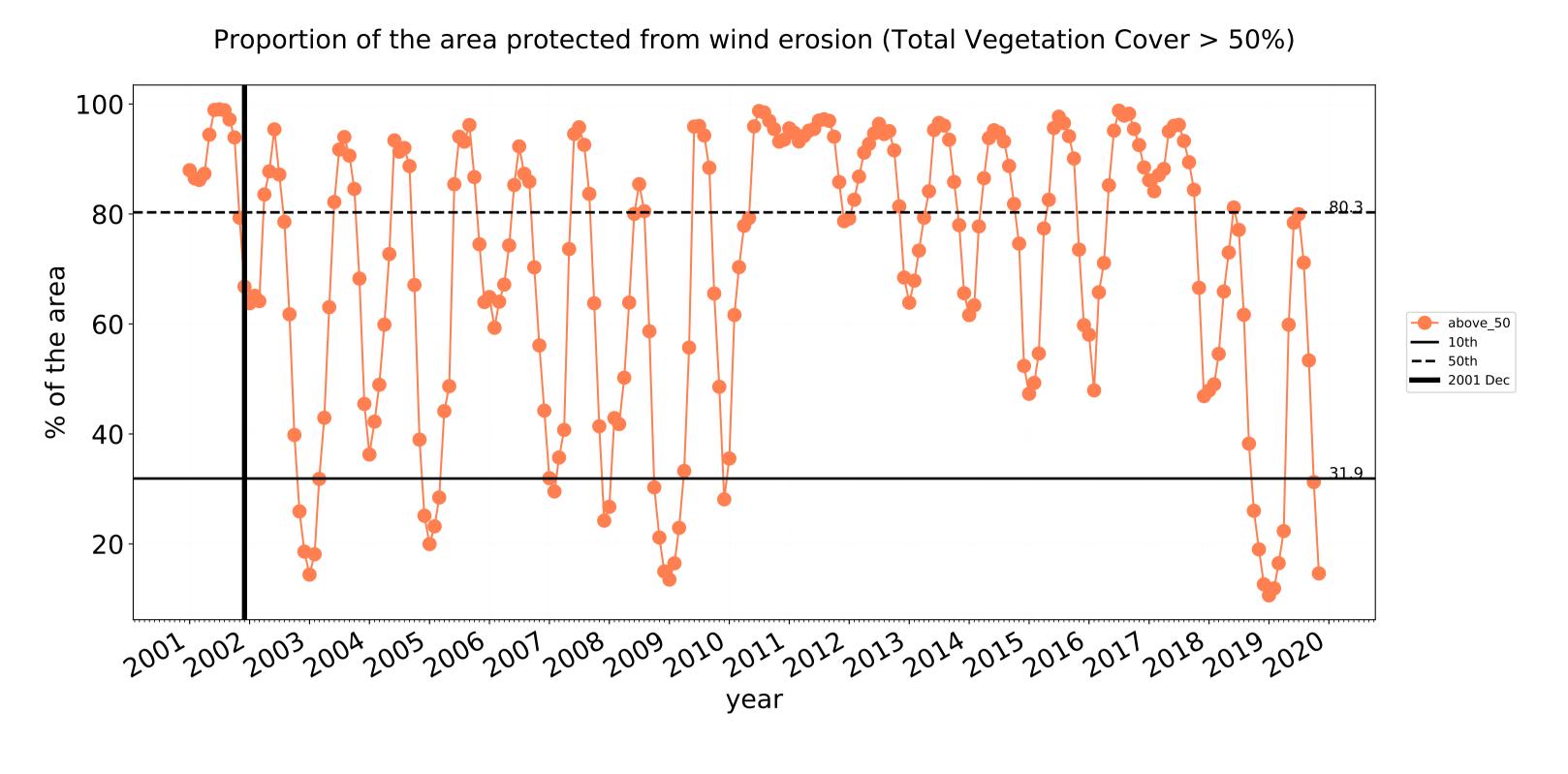


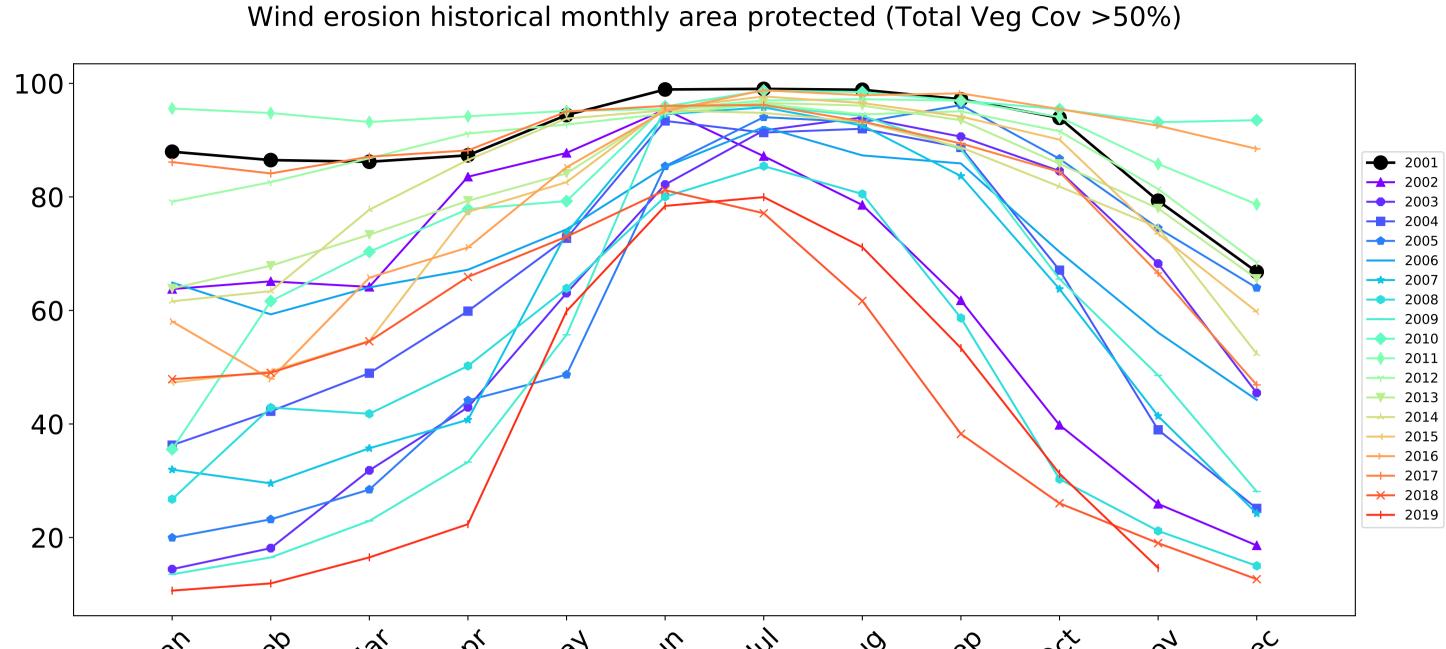






Cropping timeseries





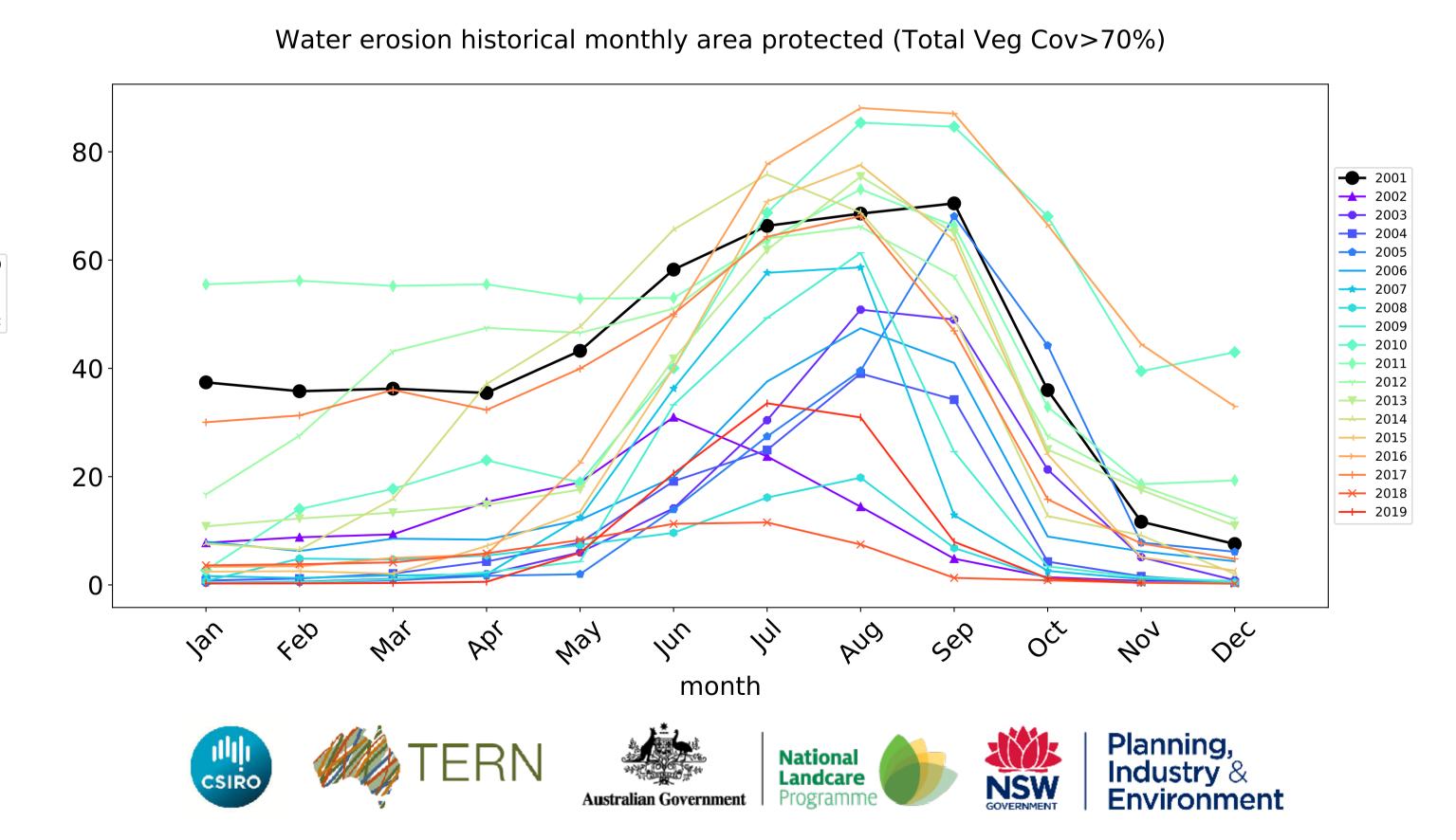
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)

80

80

90

20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20



Western (31,326,725 ha and no data 126,180 ha) Percentage area and hectares protected with TVC threshold 30,50,70,80,90 and 95%

Land use and forest cover Class	area(ha)	above_30	above_50	above_70	above_80	above_90	above_95
Entire region	31,326,725	91.5% 28,674,229	50.3% 15,765,007	10.7% 3,353,609	0.8% 255,291	0.1% 18,498	0.0% 4,843
Conservation and natural environments	2,104,725	95.1% 2,001,175	62.2% 1,310,050	27.9% 588,050	3.0% 62,400	0.0% 1,050	0.0% 175
Conservation and natural environments non forest	1,329,700	92.2% 1,226,150	40.3% 536,100	5.0% 66,400	0.7% 8,975	0.0% 425	0.0% 75
Conservation and natural environments Woodland forest	433,350	100.0% 433,350	99.8% 432,500	67.0% 290,550	6.1% 26,600	0.0% 200	0.0% 25
Conservation and natural environments Forest (non woodland)	341,675	100.0% 341,675	99.9% 341,450	67.6% 231,100	7.9% 26,825	0.1% 425	0.0% 75
Agriculture	28,519,825	91.2% 26,022,225	49.5% 14,103,250	9.4% 2,677,350	0.6% 174,575	0.1% 14,600	0.0% 2,900
Grazing	27,787,825	91.0% 25,299,250	48.9% 13,599,600	9.4% 2,600,975	0.6% 157,025	0.0% 10,475	0.0% 1,225
Grazing non forest	24,504,675	89.8% 22,016,125	42.1% 10,328,325	3.7% 900,550	0.2% 58,125	0.0% 5,500	0.0% 600
Grazing Woodland forest	1,935,750	100.0% 1,935,750	99.7% 1,929,475	52.2% 1,010,525	2.6% 51,025	0.0% 300	0.0% 100
Grazing - Forest (non woodland)	1,347,400	100.0% 1,347,375	99.6% 1,341,800	51.2% 689,900	3.6% 47,875	0.3% 4,675	0.0% 525
Cropping	612,425	99.0% 606,325	66.8% 409,075	7.6% 46,300	1.3% 7,975	0.2% 1,100	0.0% 175











