[LGA Cook_(S) (QLD)] - total vegetation cover soil protection report [Sep 2019]

This report provides information about vegetation covering the soil surface for a region during a single month with comparison to previous years. The total vegetation cover indicates where soil is likely to be protected from wind (>=50% total vegetation cover) and water/hillslope (>=70% total vegetation cover) erosion. Results are shown for the whole region (polygon) and also separated by land use and forest cover class. This is because different land use / forest cover classes are likely to have different cover patterns and targets.
[Cook_(S)]
The six maps and two graphs provide a report for the month with:
• Land use and forest cover information for the area:
    o Map: Land use and forest cover
    o Chart: Land use and forest cover area
• Total vegetation cover for this month:
    o Map: total vegetation cover classified into 4 classes
    o Chart: total vegetation cover percentage area classified into 4 classes
• Areas protected from erosion for the month:
    o Map: water erosion protection (>70% cover) percentage area and hectares
    o Map: wind erosion protection (>50% cover) percentage area and hectares
• Comparison with previous years:
    o Map: anomaly – compare this month to the average cover from the same month in previous years
    o Map: deciles – rank this month against the same month in previous years
• Time series from January 2001 to current:
    o Wind erosion protection time series: percentage of the area of the region with greater than 50% cover for each month since January 2001 (orange line): Horizontal lines are 10th (cover target) and 50th percentiles. Vertical line is month of report.
    o Water erosion protection time series: percentage of the area of the region with greater than 70% cover for each month since January 2001 (blue line): Horizontal lines are 10th (cover target) and 50th percentiles. Vertical line is month of report.
    o Rainfall: millimetres rainfall each month (black line). Vertical line is month of report.
• Time series for each month stacked by year
    o Same data as time series from January 2001 to current month, grouped by month. Black line is current year of data.
• Water erosion protection on higher slopes. As slope increases, more cover is required to control water erosion. The thresholds reported are:
    o the percentage area with pixels greater than 80% total clover
    o the percentage area with pixels greater than 90% total clover
    o the percentage area with pixels greater than 95% total clover

The following pages repeat the above sequence for each land use and forest cover class. For example
• All agricultural lands, that is grazing, cropping plus Horticulture (depending on what land use is present)
• Grazing lands by forest classes if present
• Cropping lands
• Irrigation lands
• Protected areas by forest classes if present

The following pages repeat the above sequence for each land use and forest cover class if 1% or more of area makes up a land use and forest cover class. Four land uses are reported: Conservation and natural environments, Agriculture, production native forests and plantation forests, and other. Agriculture is further divided into grazing, crops and horticulture are then divided into non-irrigated and irrigated. Land use is further divided by forest class if present: non-forest, woodland forest and non-woodland forest.
Explanatory notes:
This report has been generated using MODIS fractional vegetation cover information available in Rangelands and Pasture Productivity (RAPP) map tool. The report is based on an analysis of 500 metre pixel data on monthly time steps. Report uses baseline from January 2001 to September 2019 for each month to generate anomalies and deciles. Post September 2019 all similar months are used to calculate anomalies and deciles.

Acknowledgment of data:

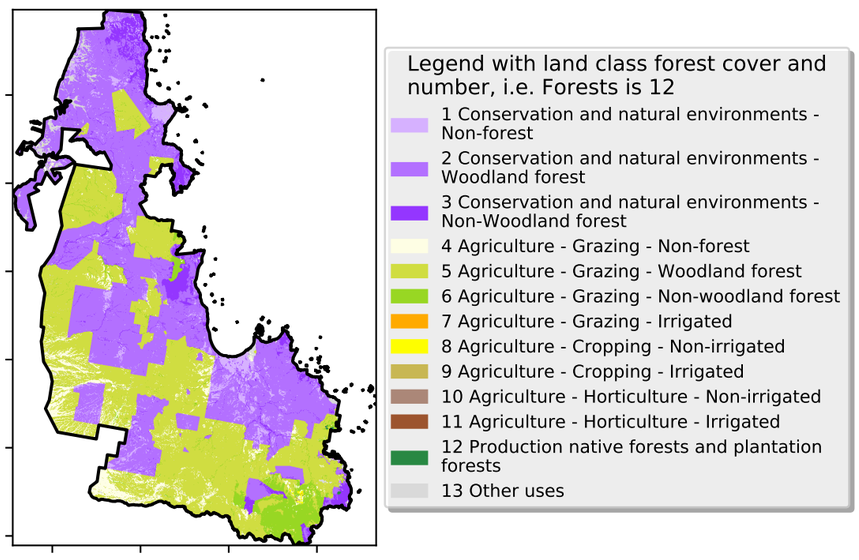
1. http://www.agriculture.gov.au/abares/aclump/land-use/alum-classification
2. http://www.agriculture.gov.au/abares/forestsaustralia/sofr/sofr-2018
3. https://www.dpi.nsw.gov.au/agriculture/pastures-and-rangelands/establishment-mgmt/production-management2/groundcover
4. MODIS Fractional cover algorithm:

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

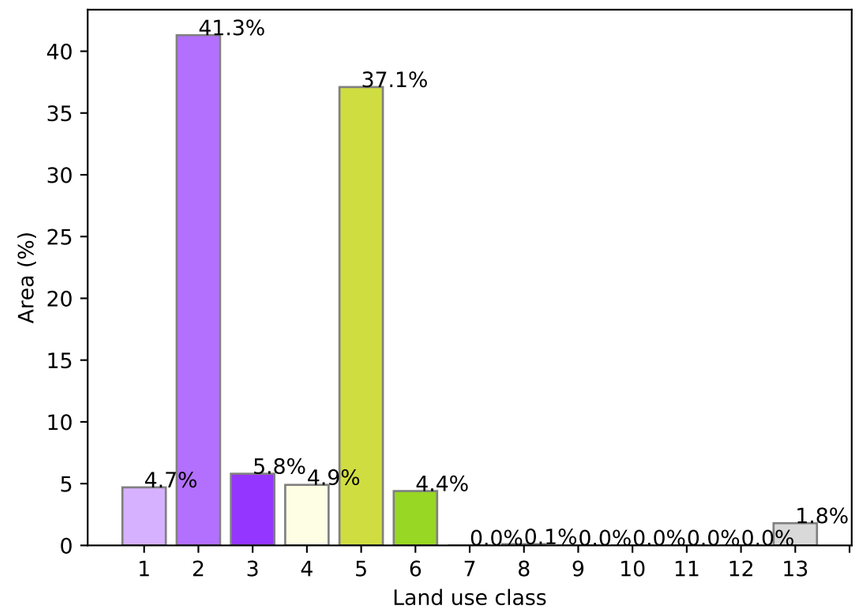
Vegetation Cover Sep 2019

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

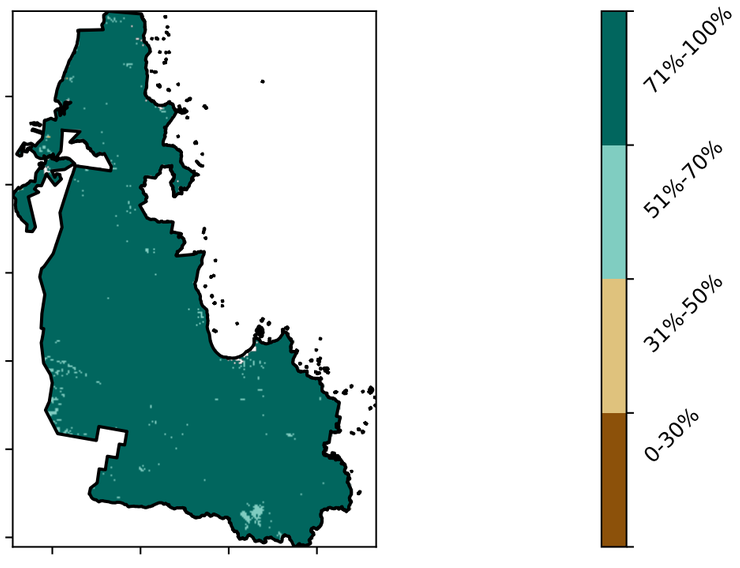
Land use and forest cover



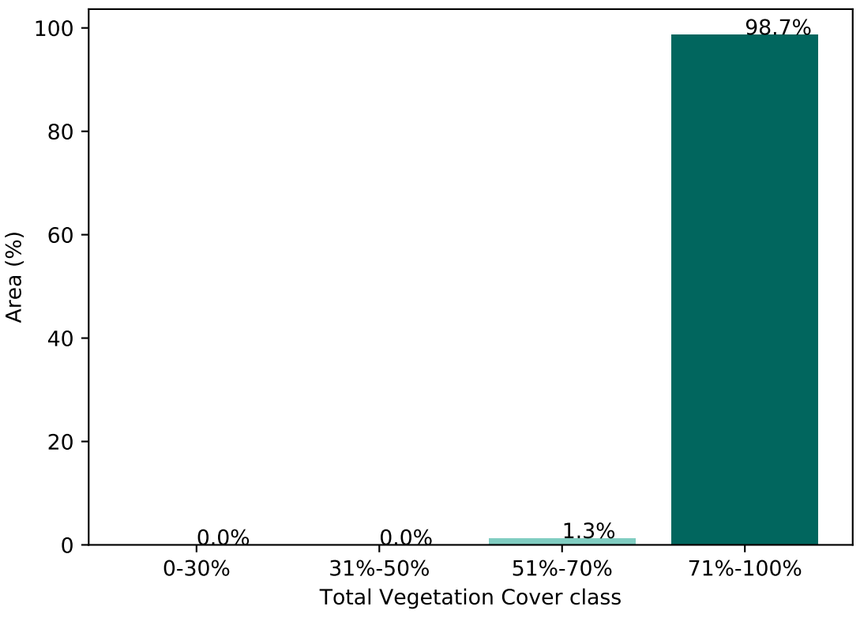
Proportion of each land class in area



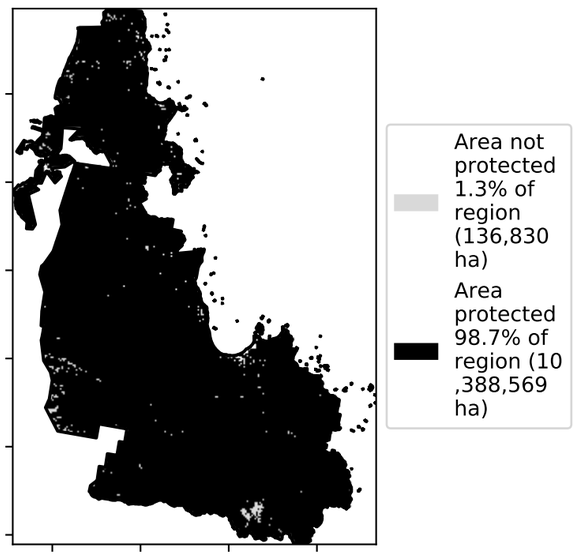
Total Vegetation Cover [%]



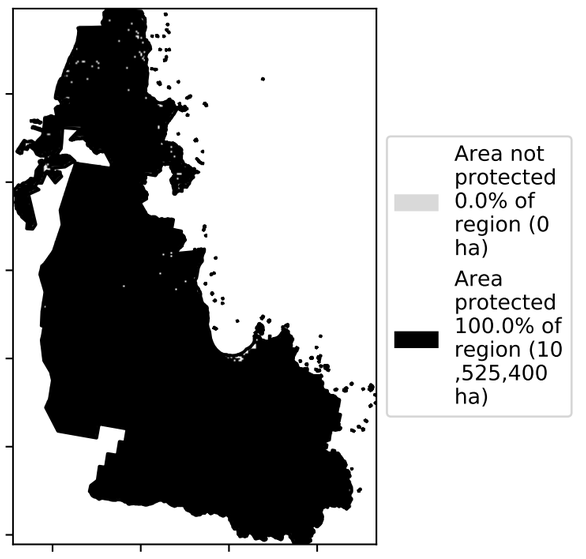
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

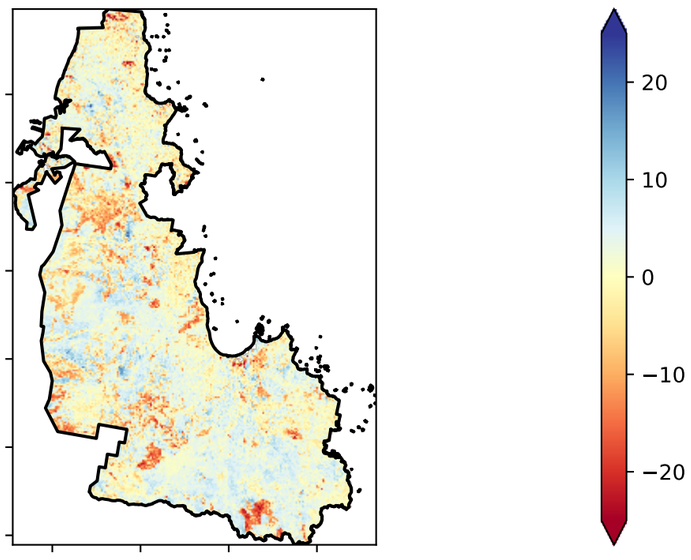


% Area protected from wind erosion (>50%)



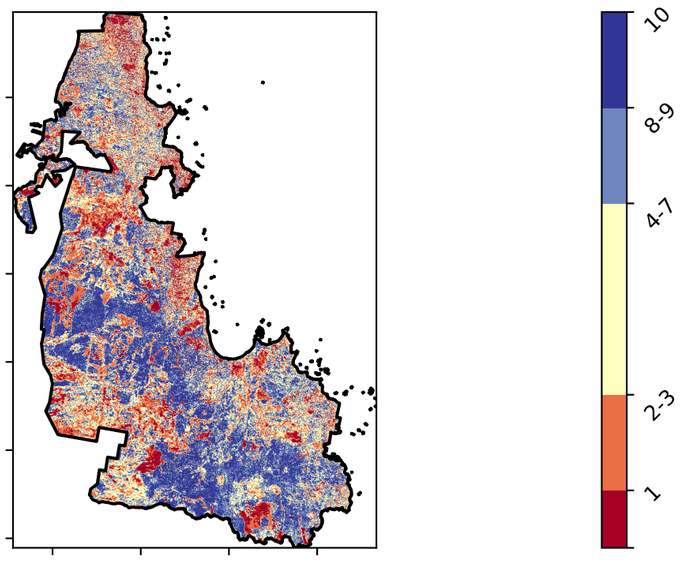
Total Vegetation Cover Anomaly [%]

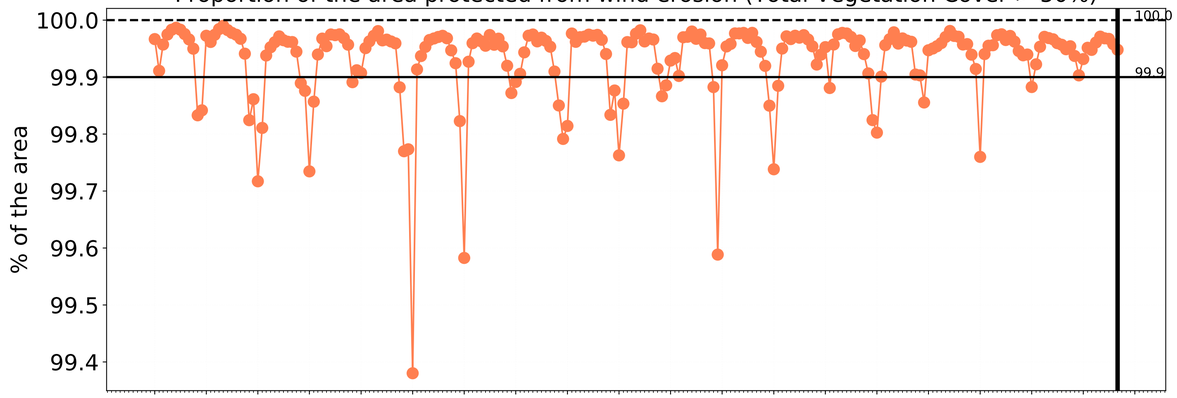
Anomaly show how many percetage points each pixel is from the mean. That is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map using baseline from 2001 to 2019.

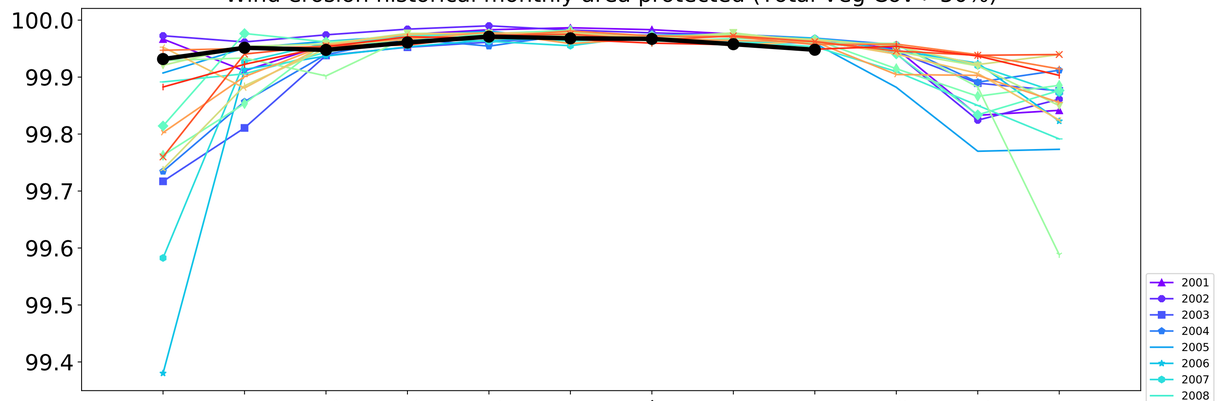


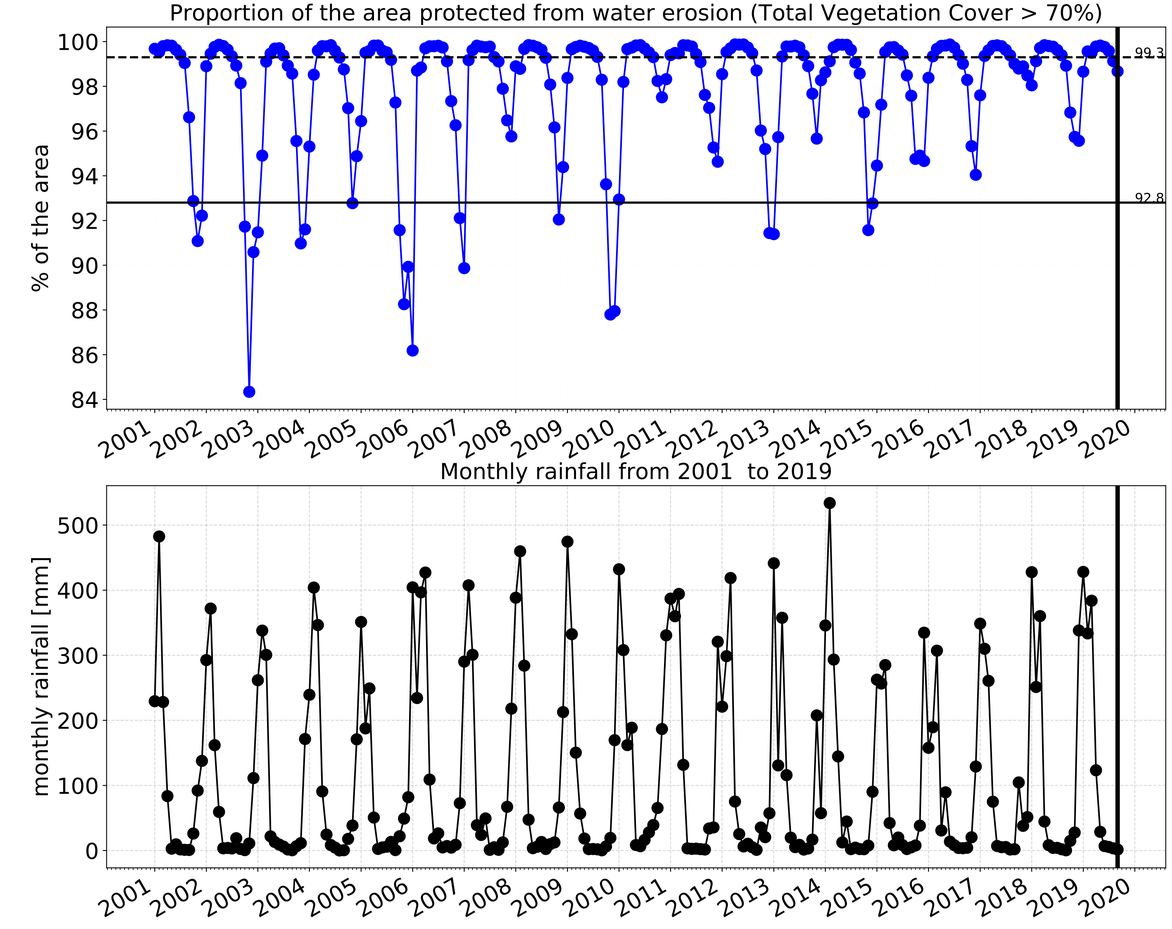
Total Vegetation Cover Decile [%]

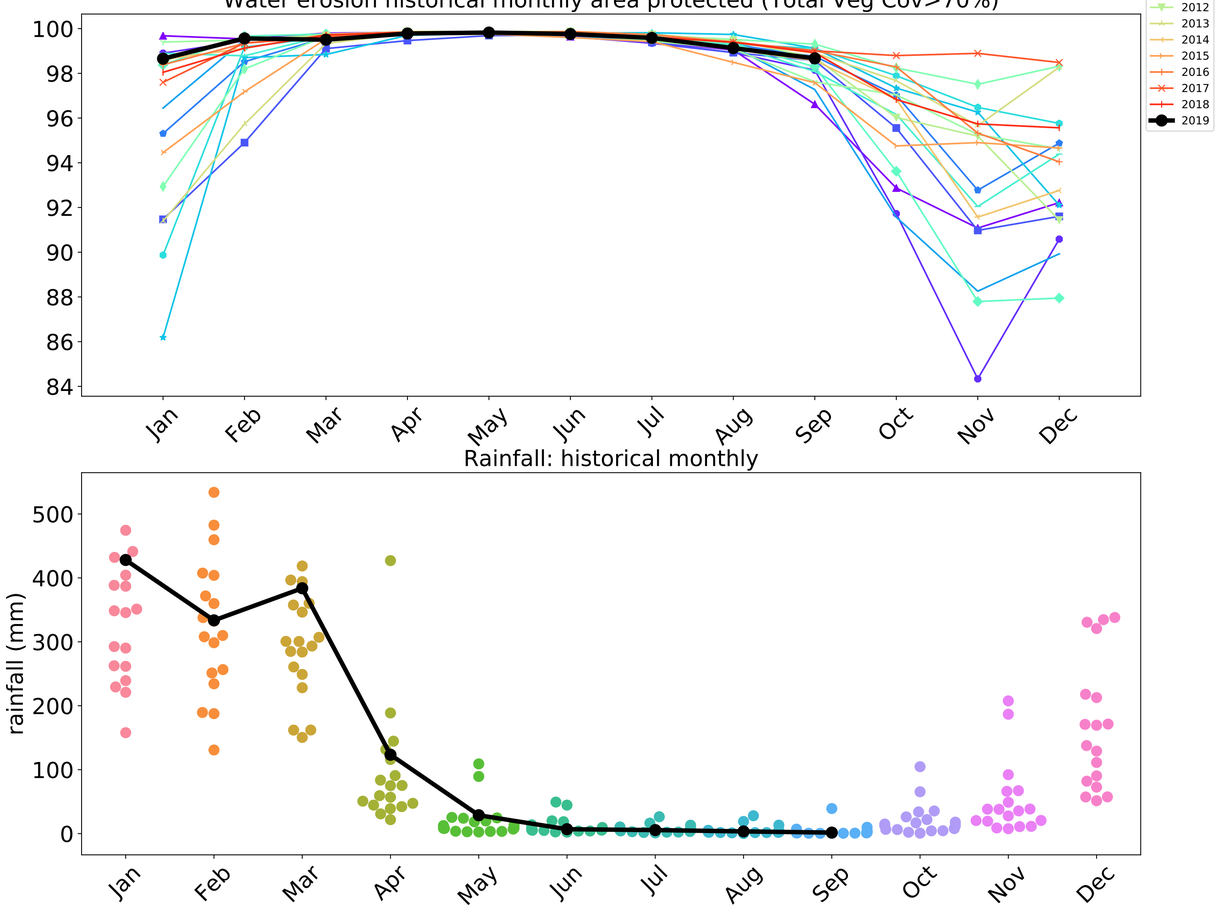
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

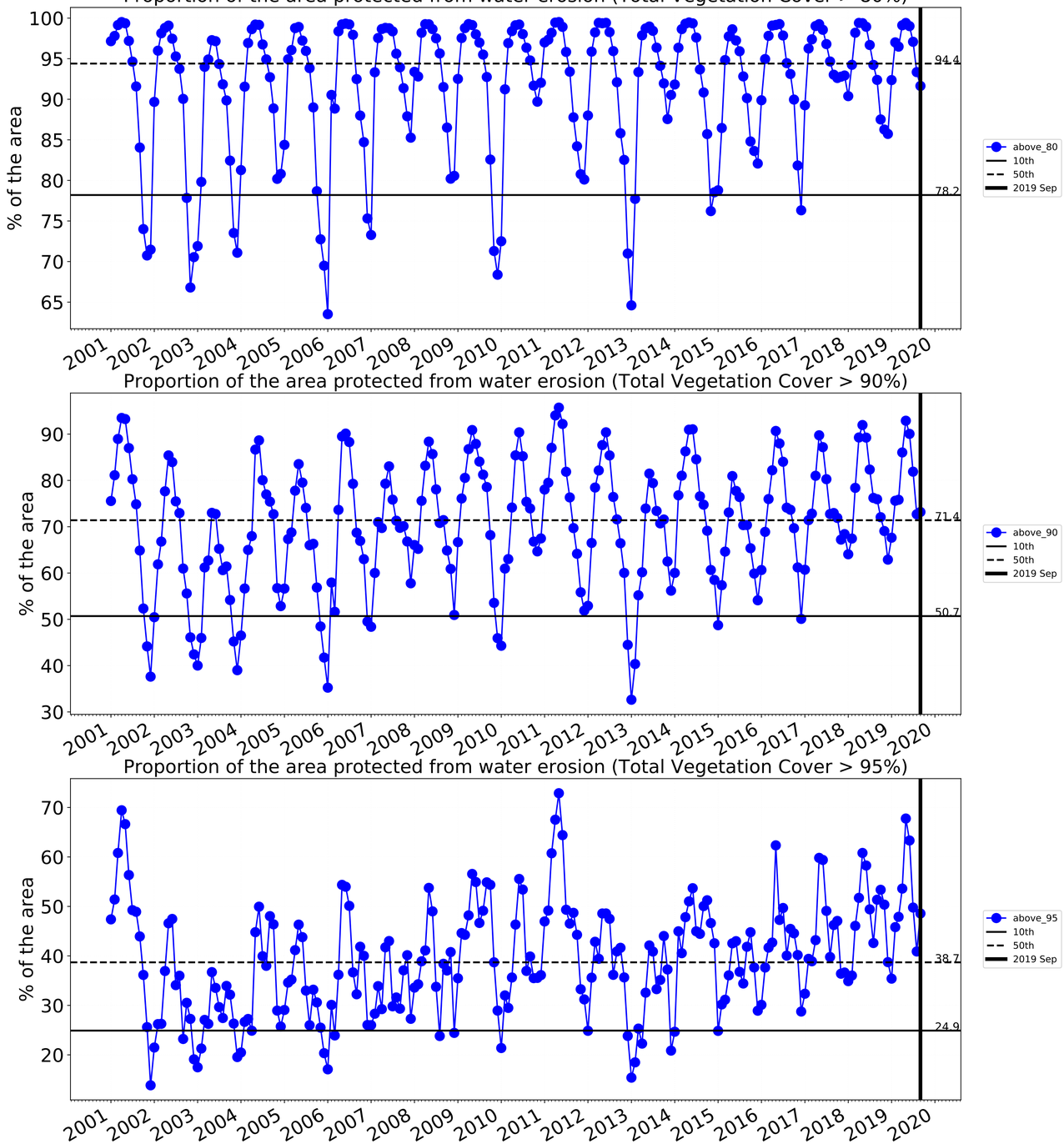


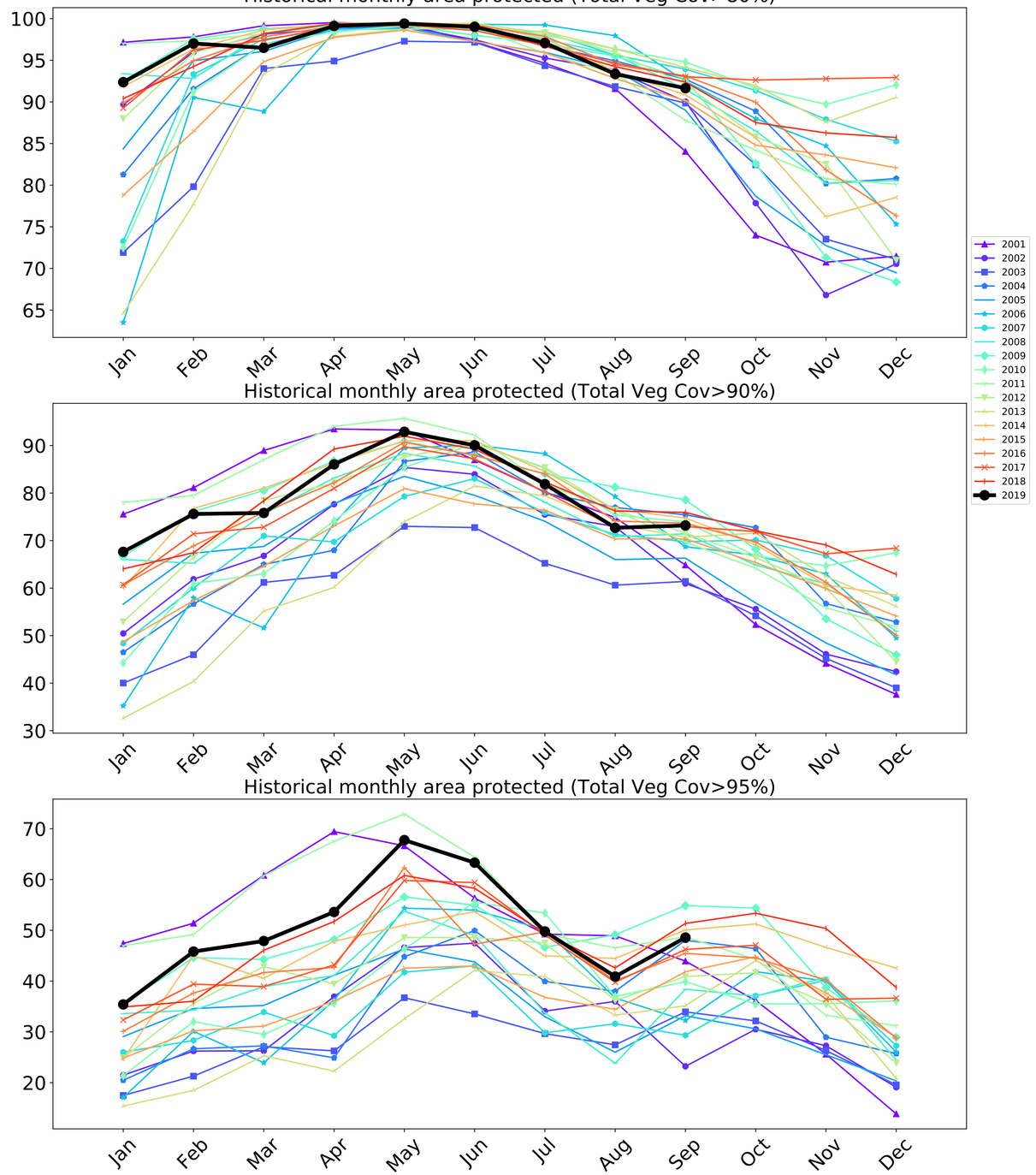

Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)
% of the area
100.0
99.9
99.8
99.7
99.6
99.5
99.4
100.0
99.9
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
above_50
10th
50th
2019 Sep


Wind erosion historical monthly area protected (Total Veg Cov >50%)
100.0
99.9
99.8
99.7
99.6
99.5
99.4
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019


Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)
% of the area
100
98
96
94
92
90
88
86
84
99.3
92.8
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
above_70
10th
50th
2019 Sep
Monthly rainfall from 2001 to 2019
monthly rainfall [mm]
500
400
300
200
100
0


Water erosion historical monthly area protected (Total Veg Cov>70%)
100
98
96
94
92
90
88
86
84
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
Rainfall: historical monthly
rainfall (mm)
500
400
300
200
100
0

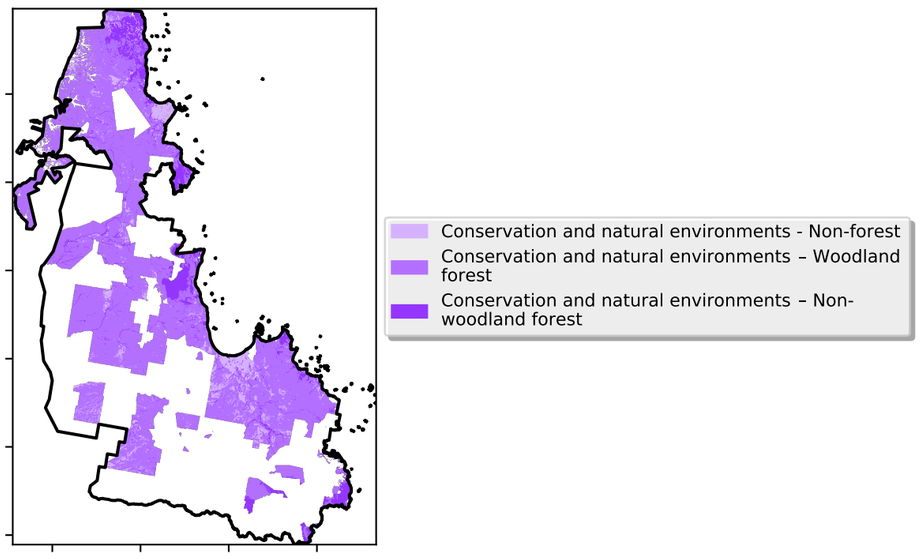

Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
94.4
78.2
above_80
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
71.4
50.7
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
38.7
24.9
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

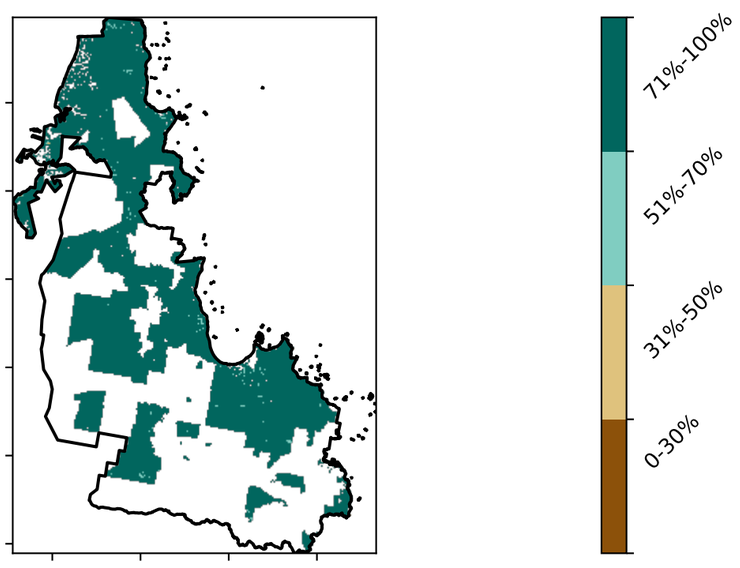
Conservation and natural environments

Land use and forest cover

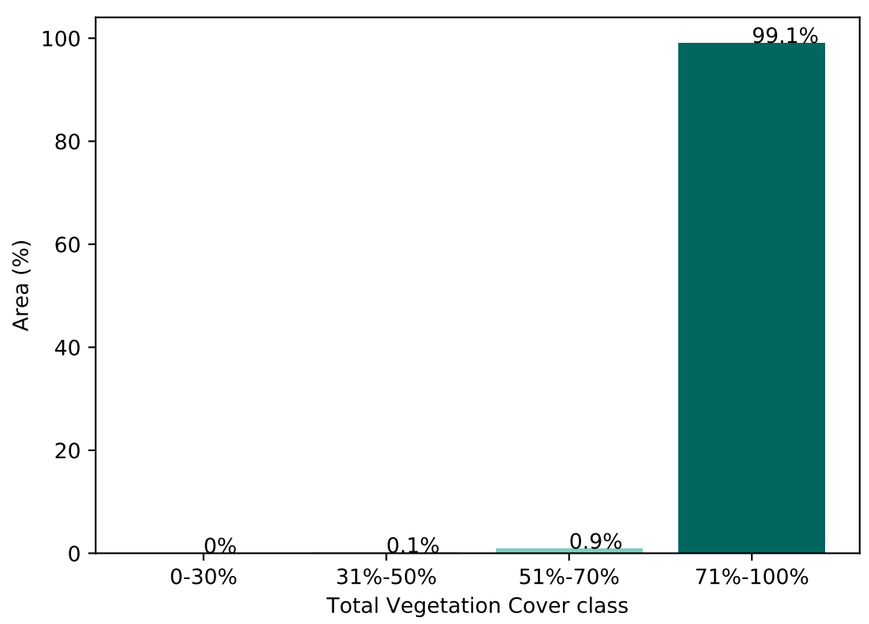
Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.



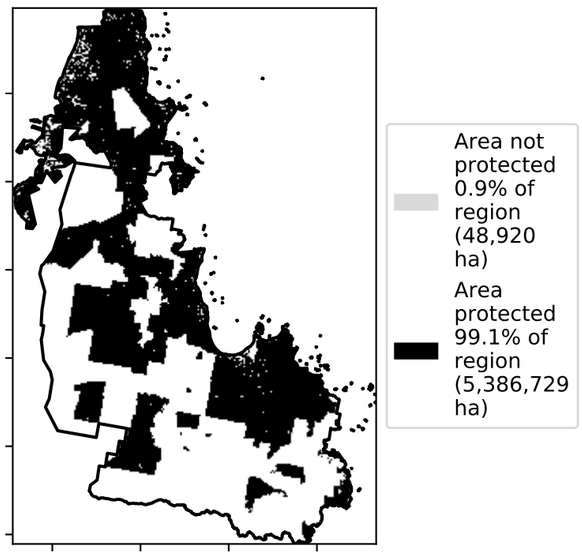
Total Vegetation Cover [%]



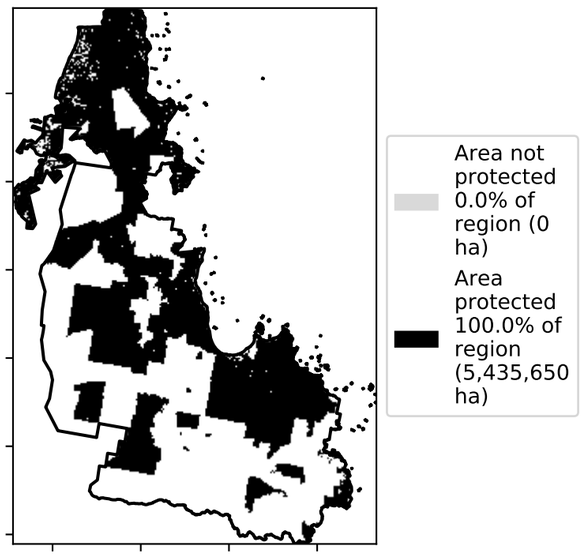
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

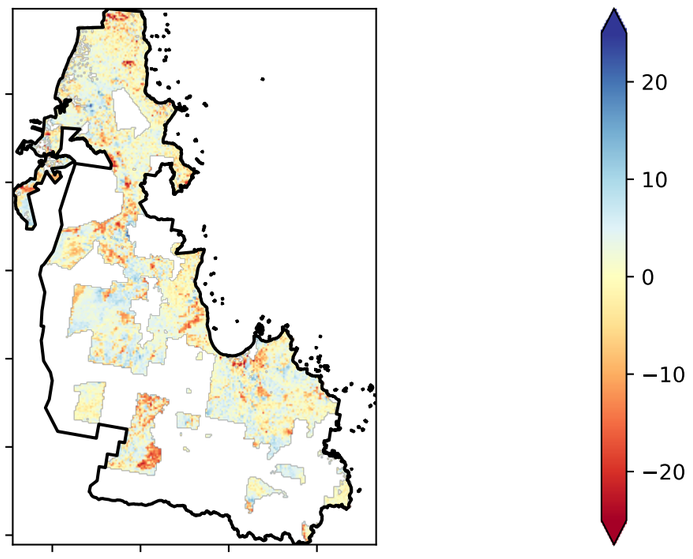


% Area protected from wind erosion (>50%)



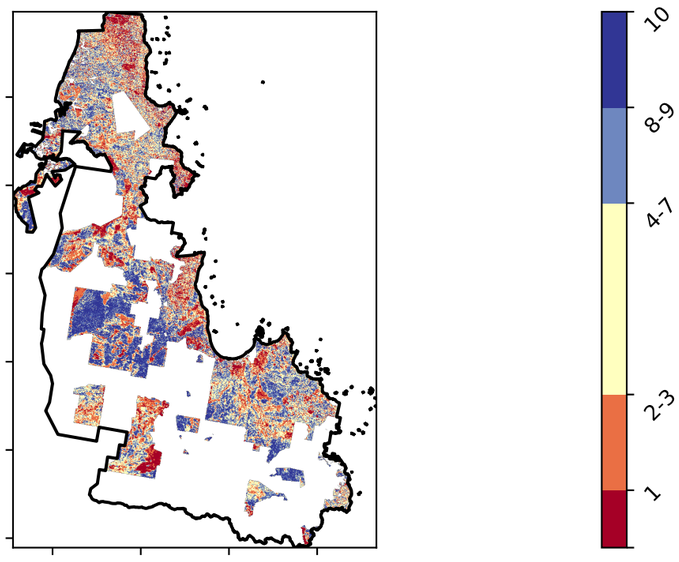
Total Vegetation Cover Anomaly [%]

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.



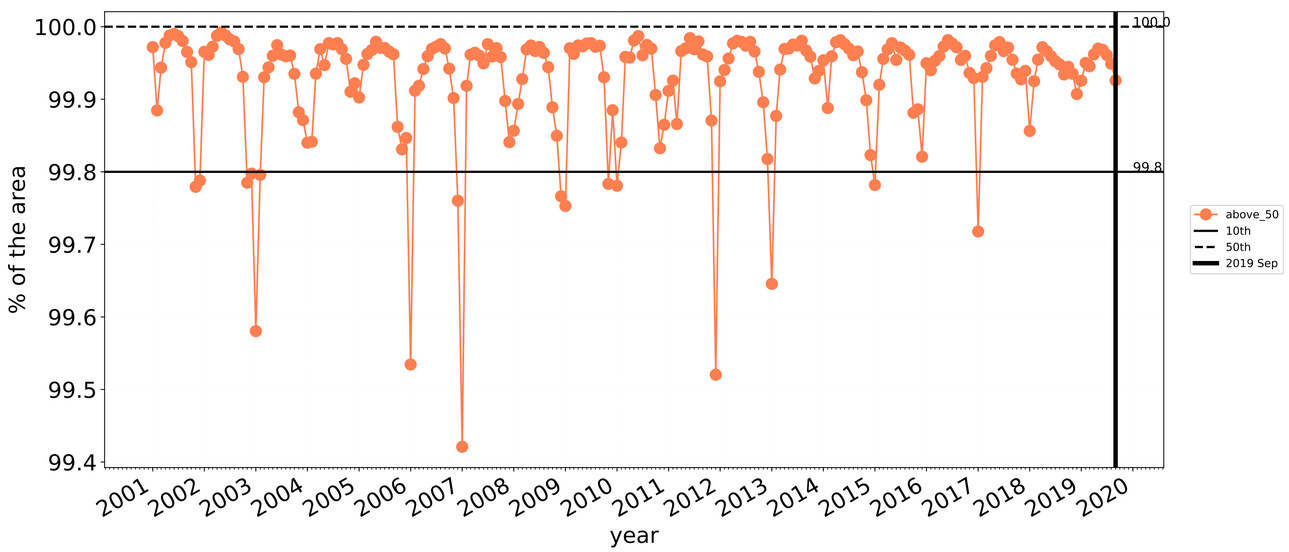
Total Vegetation Cover Decile [%]

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.

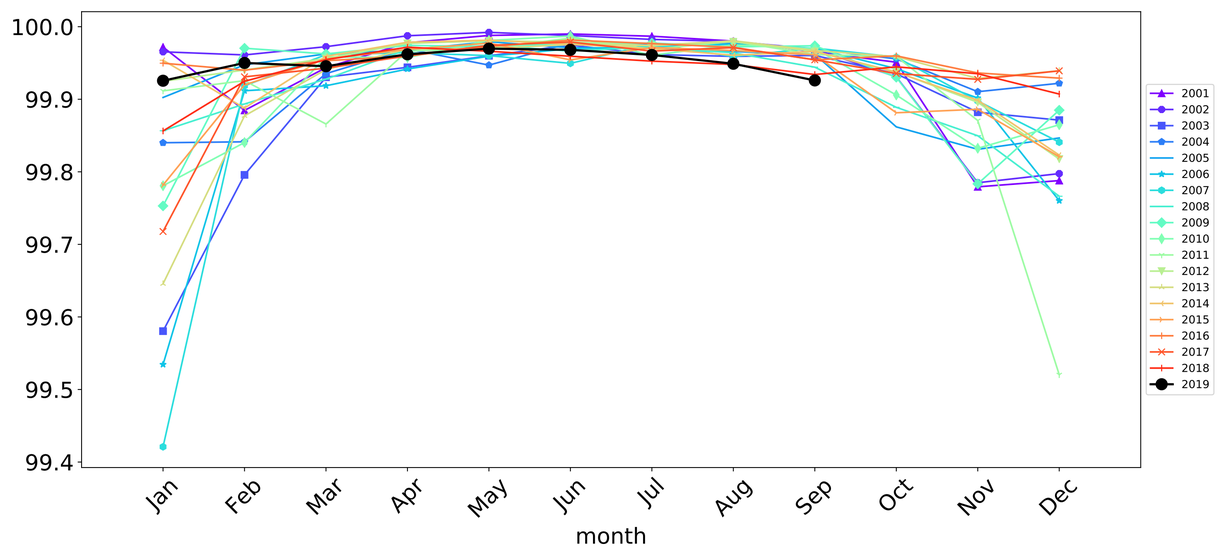


Conservation and natural environments timeseries

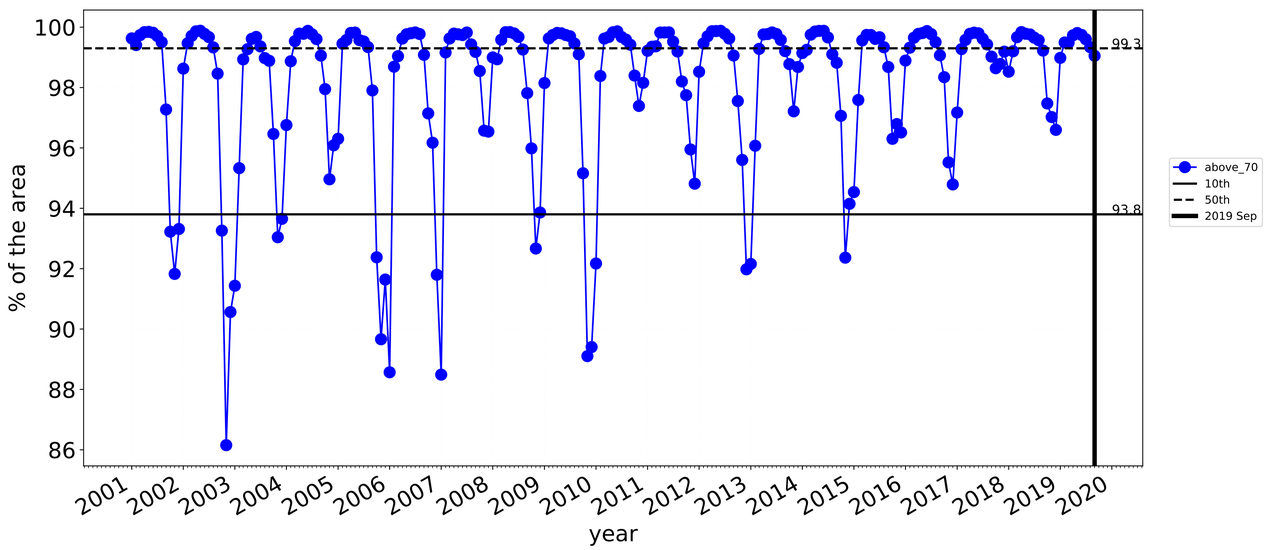
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



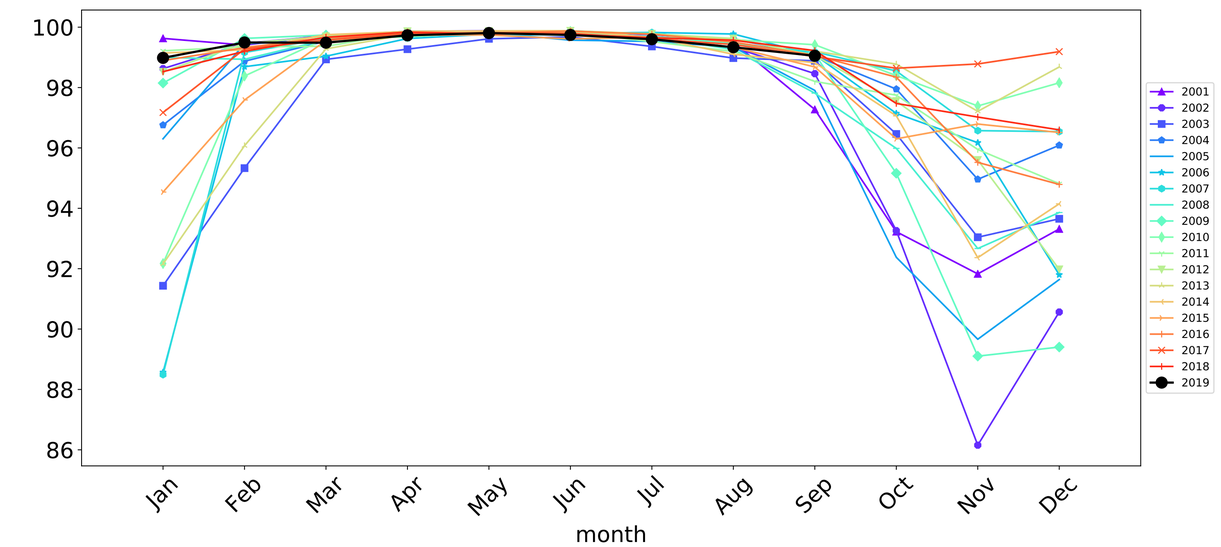
Wind erosion historical monthly area protected (Total Veg Cov >50%)



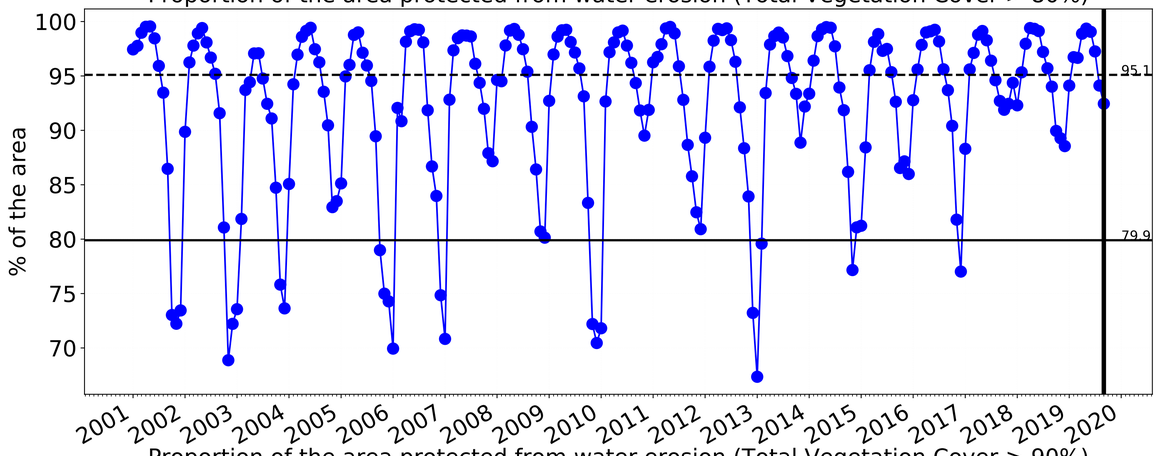
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)

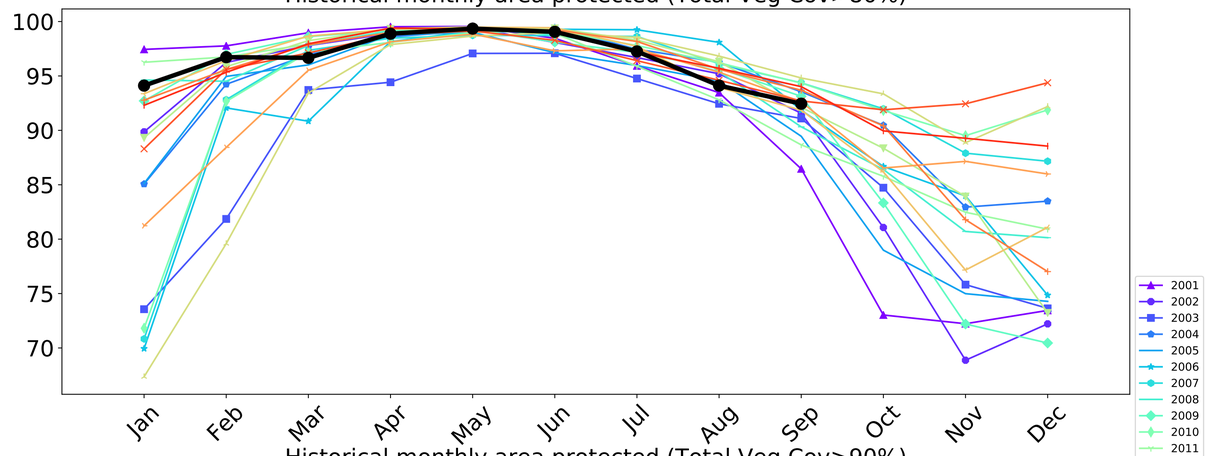


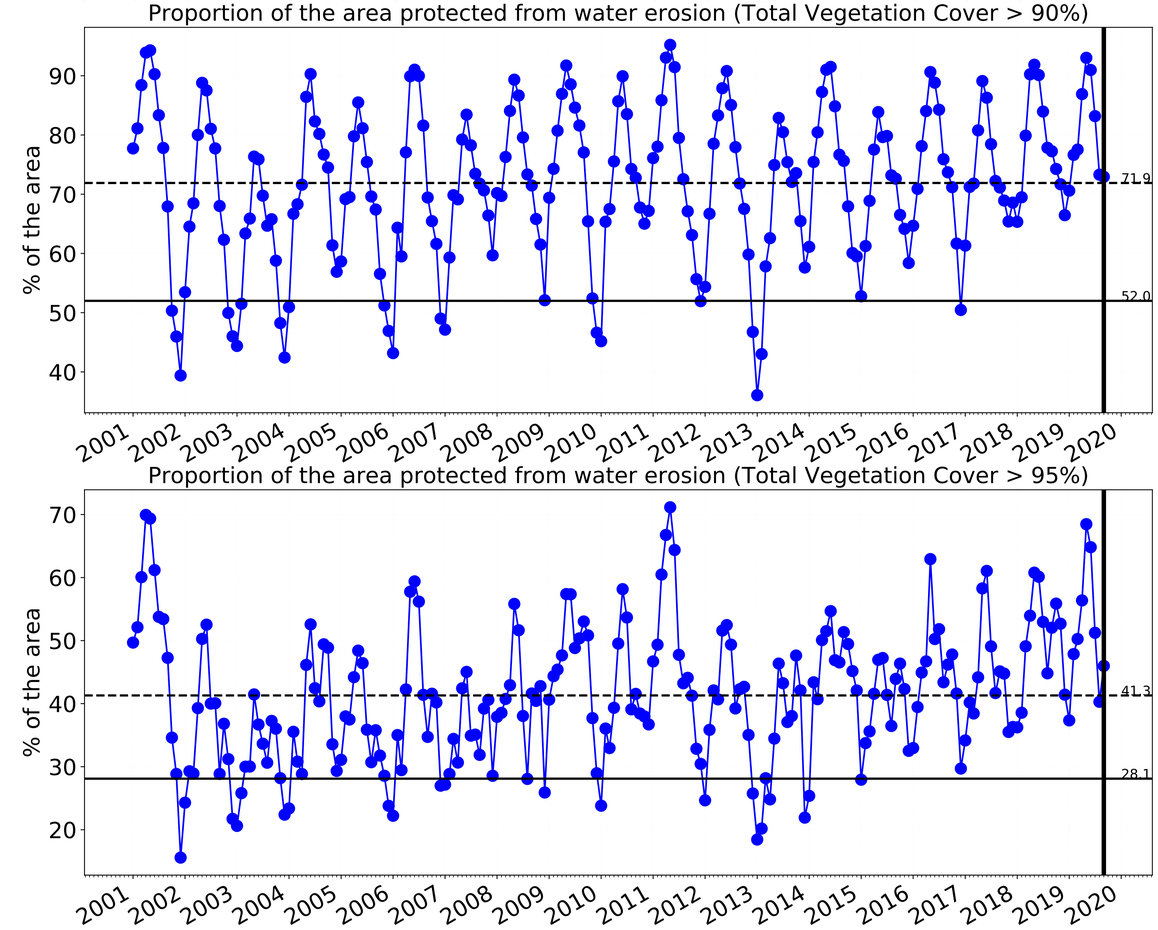
Water erosion historical monthly area protected (Total Veg Cov>70%)

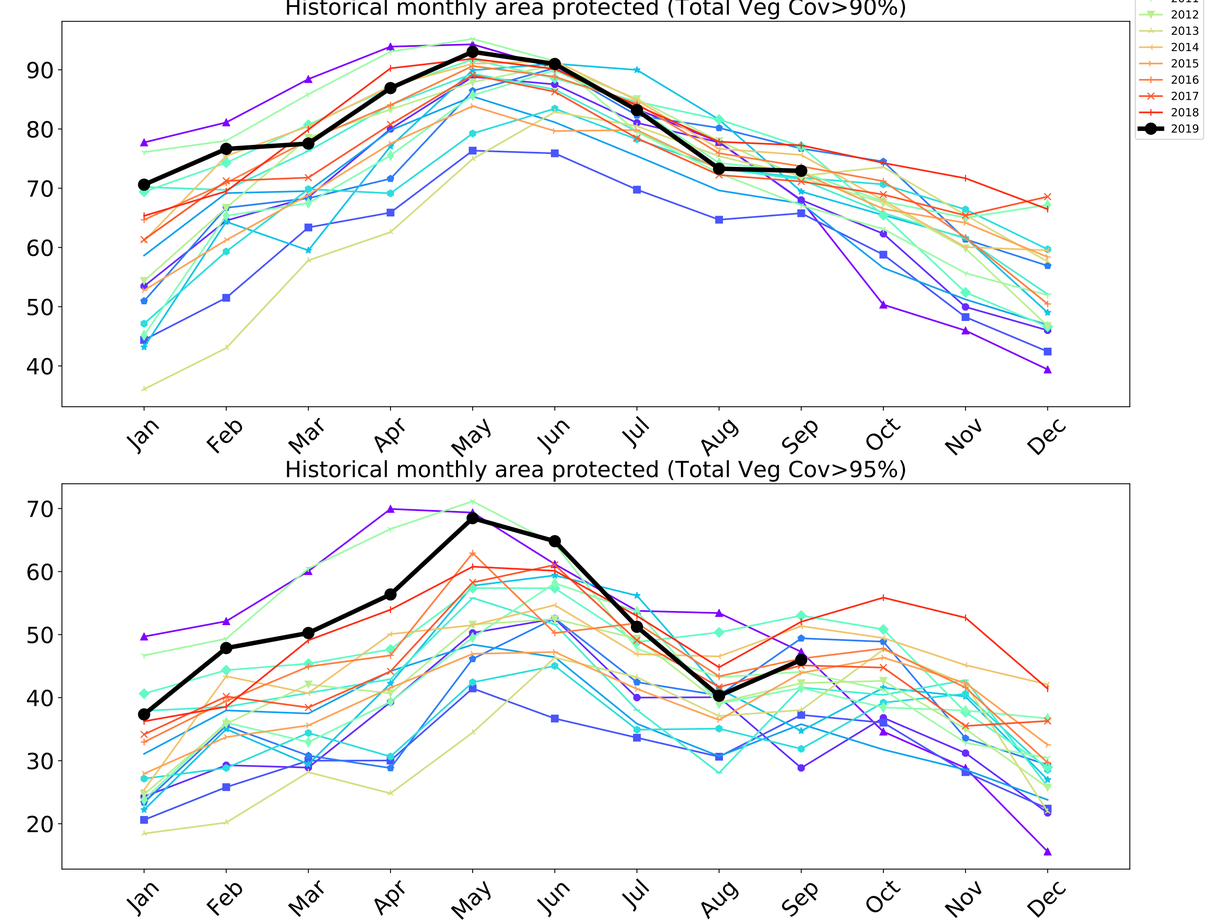


CSIRO TERN Australian Government National Landcare Programme NSW GOVERNMENT Planning, Industry & Environment


Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
95.1
79.9
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

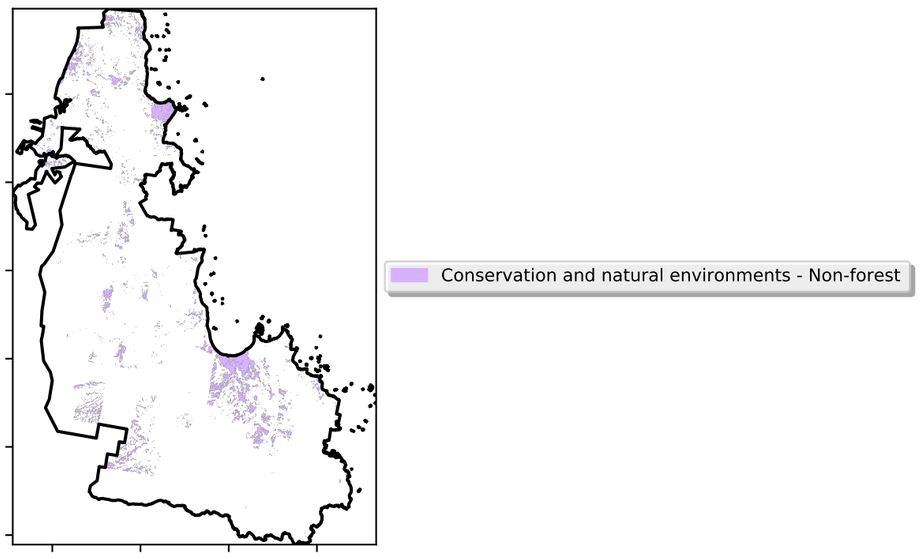

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
71.9
52.0
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
41.3
28.1
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

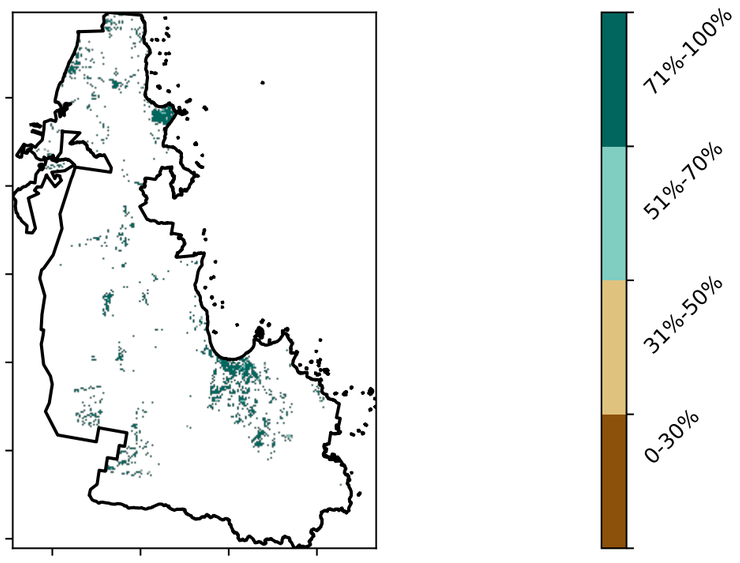
Conservation and natural environments non forest

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

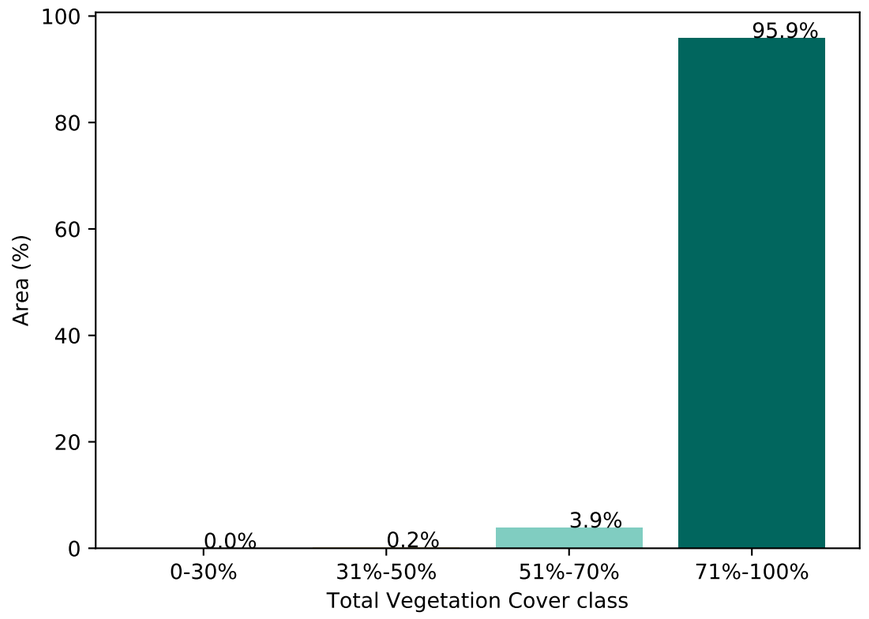
Land use and forest cover



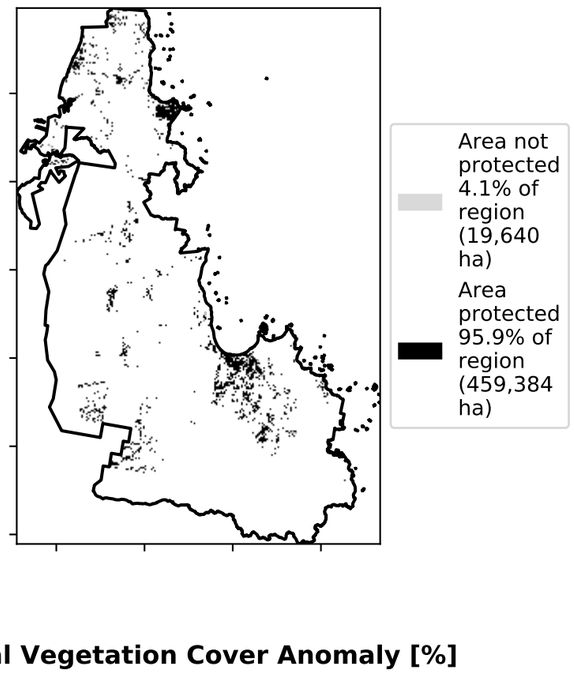
Total Vegetation Cover [%]



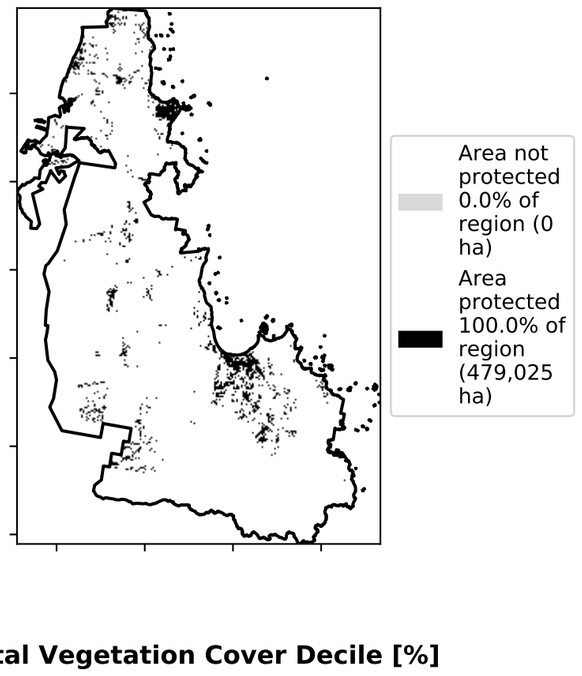
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

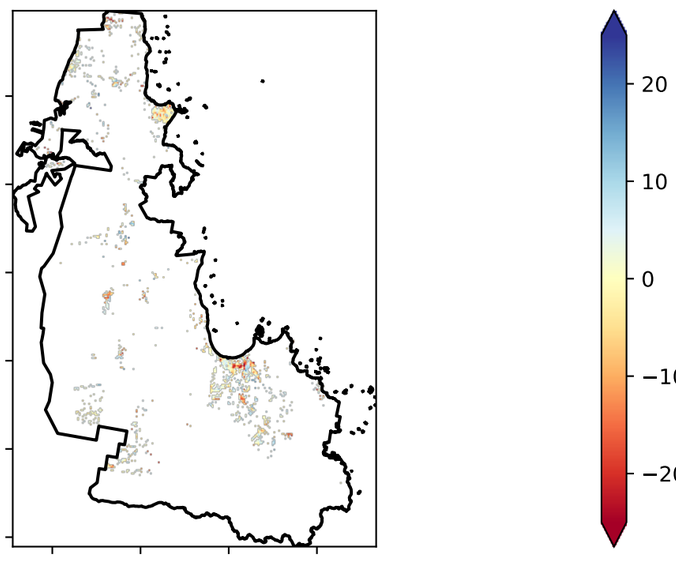


% Area protected from wind erosion (>50%)



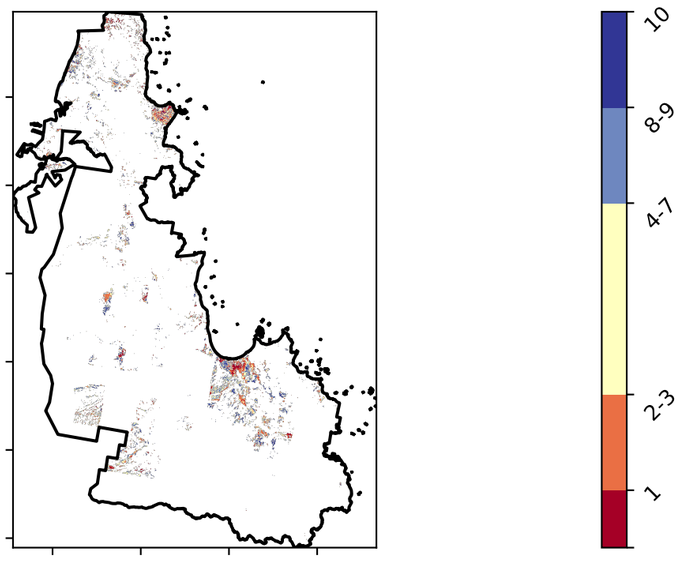
Total Vegetation Cover Anomaly [%]

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.



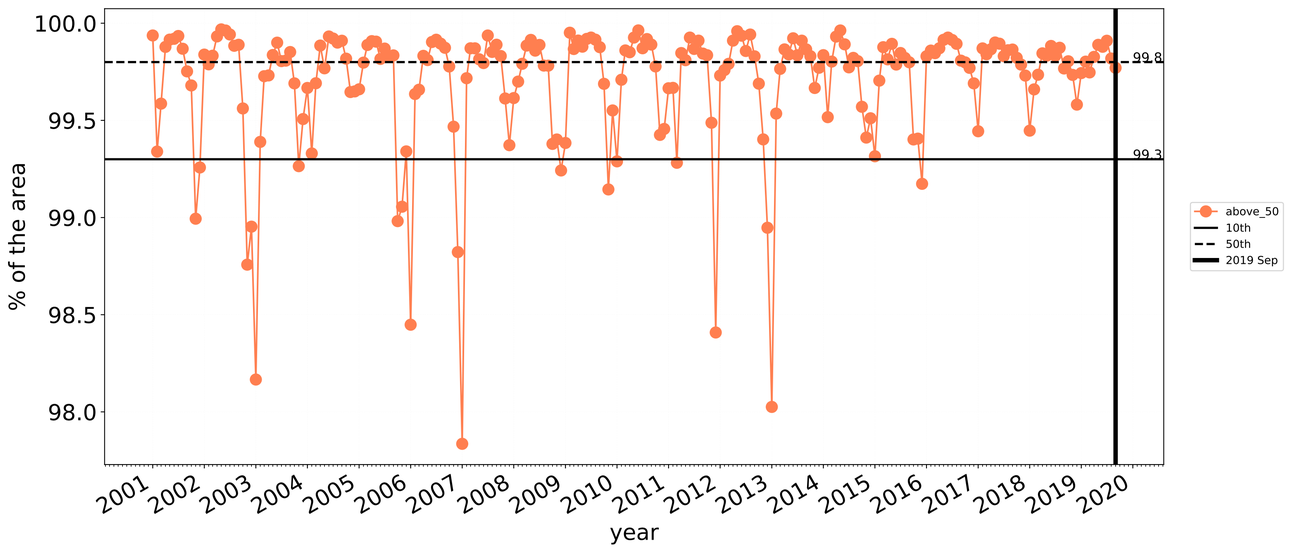
Total Vegetation Cover Decile [%]

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.

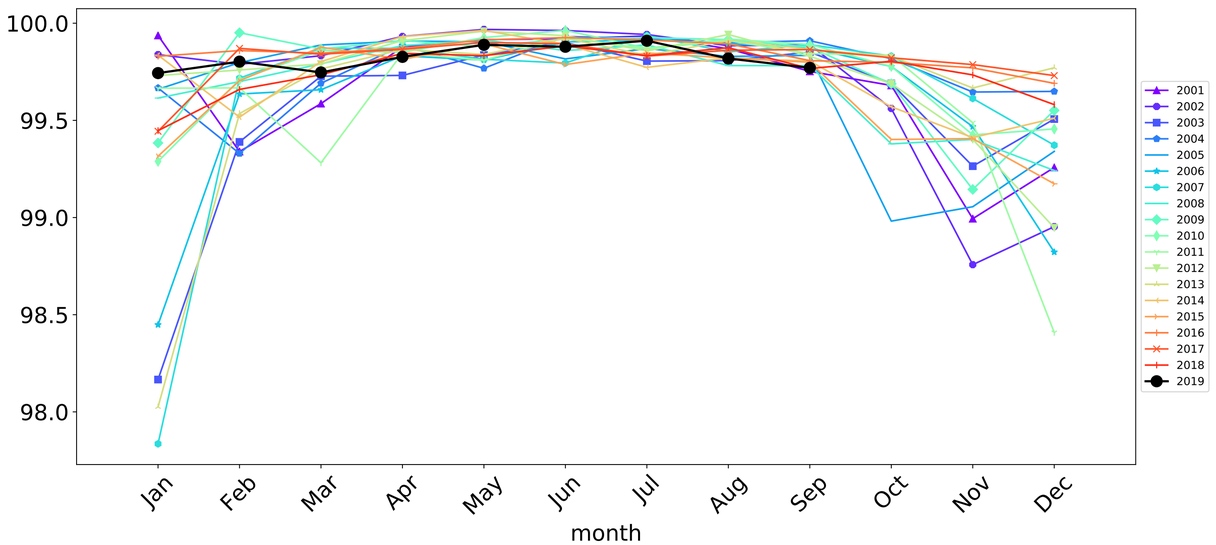


Conservation and natural environments non forest timeseries

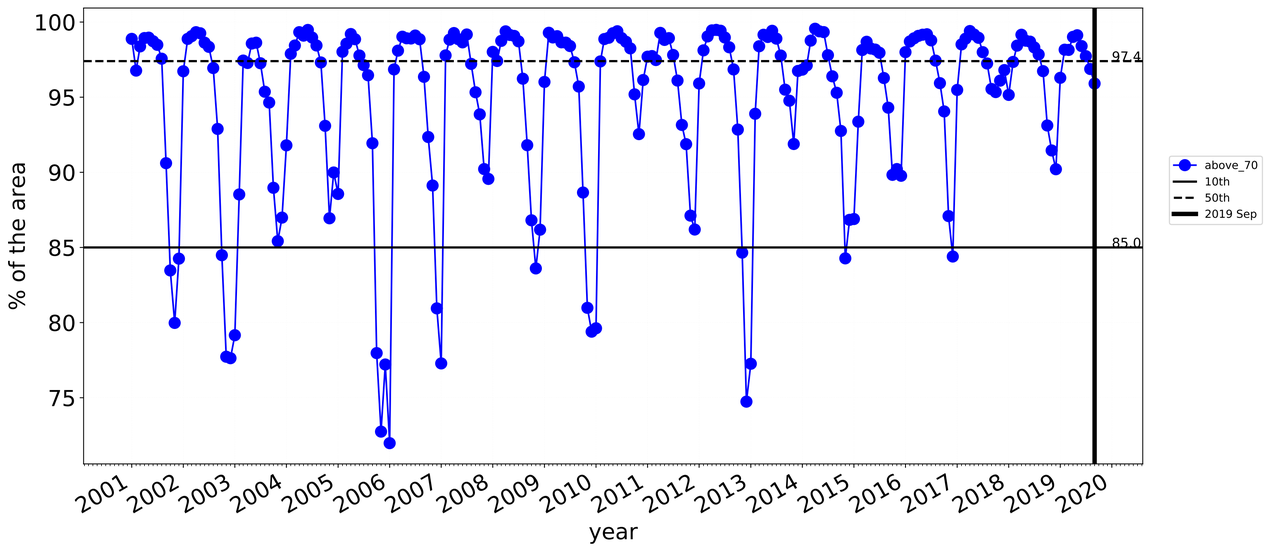
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



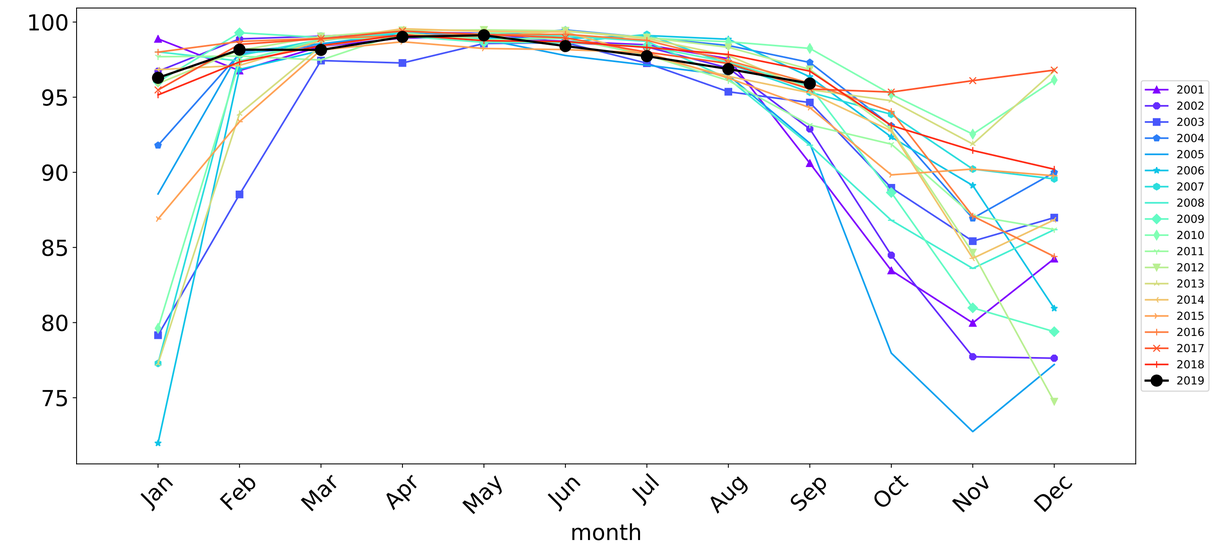
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



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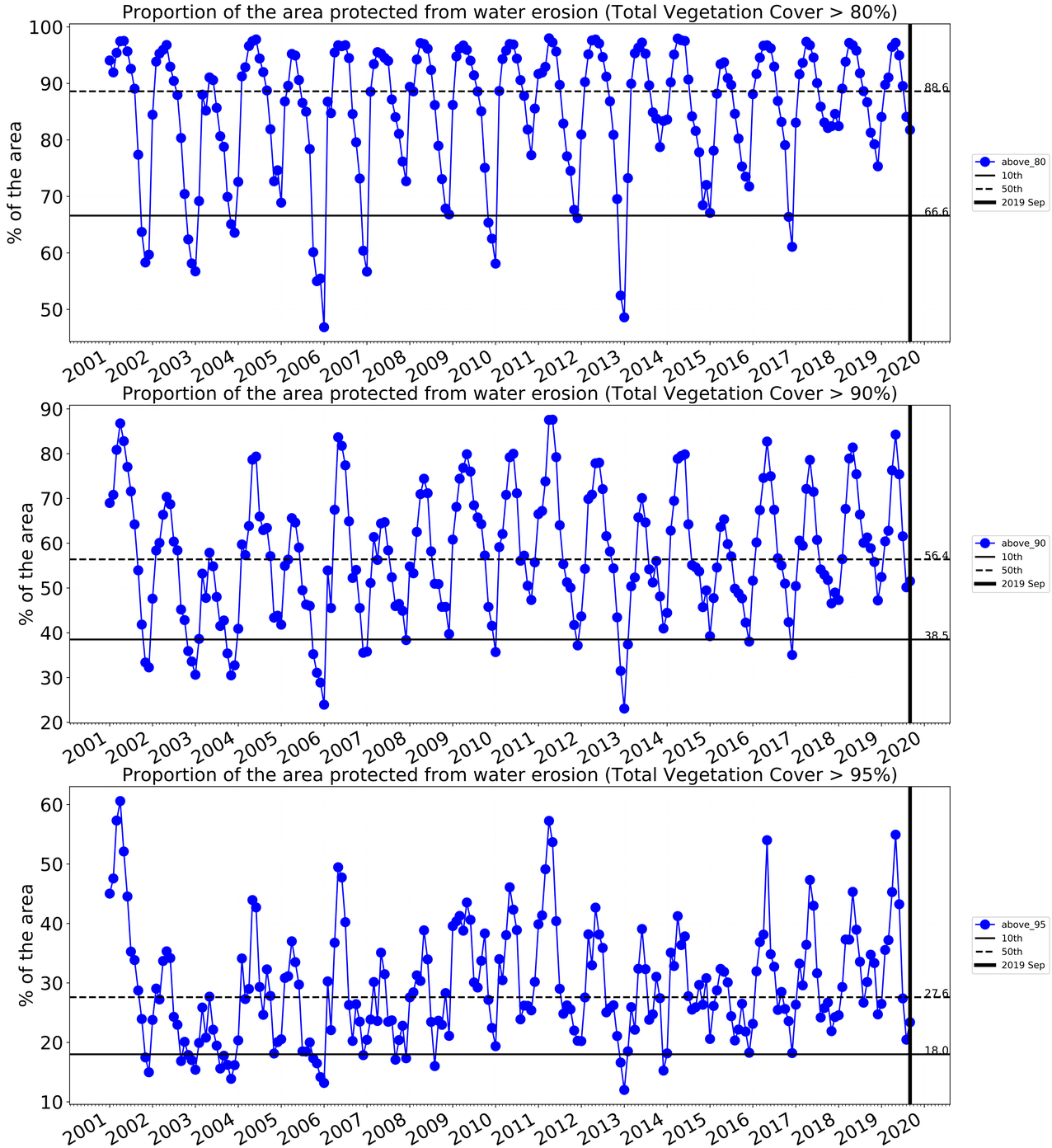
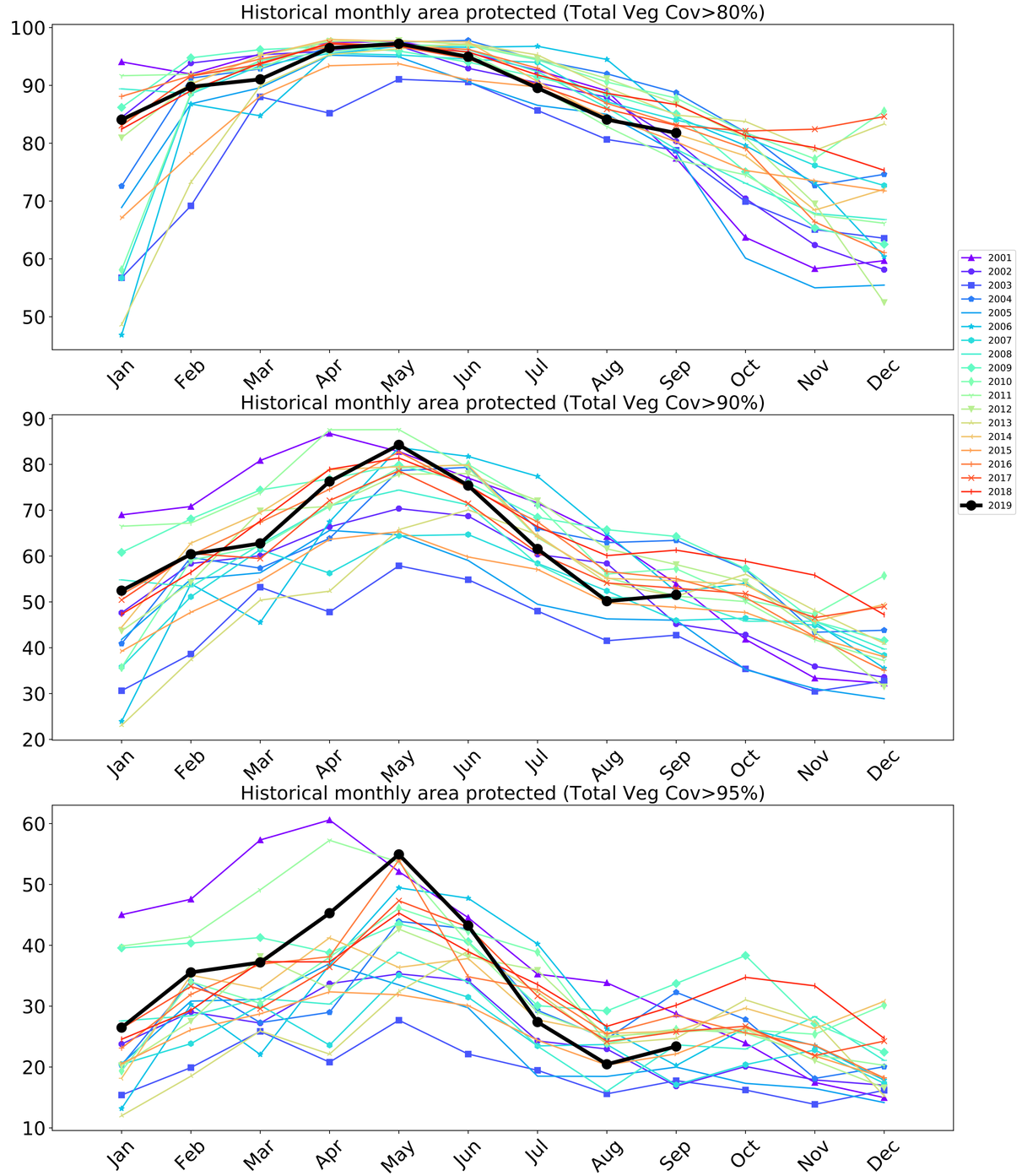

Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
88.6
66.6
above_80
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
56.4
38.5
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
27.6
18.0
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2001
2002
2003
2004
2005
2006
2007
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2009
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2011
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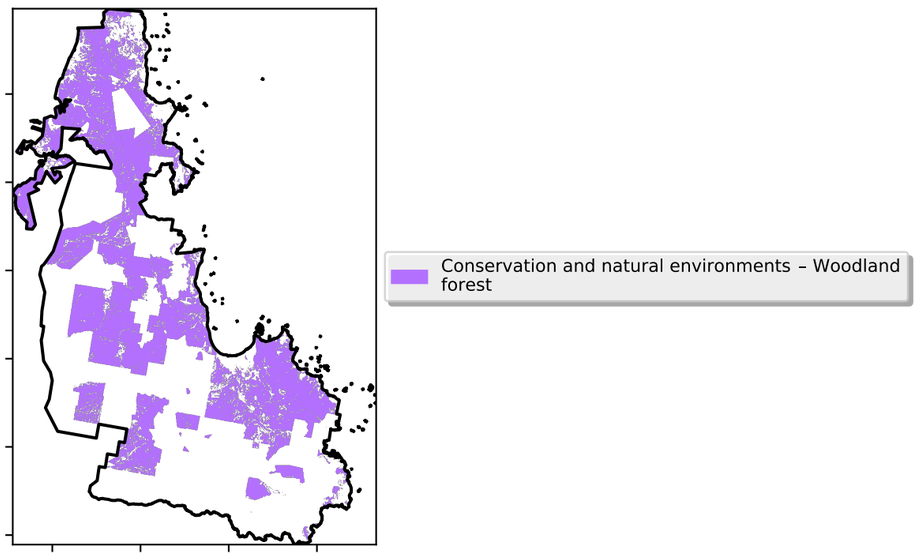
2014
2015
2016
2017
2018
2019

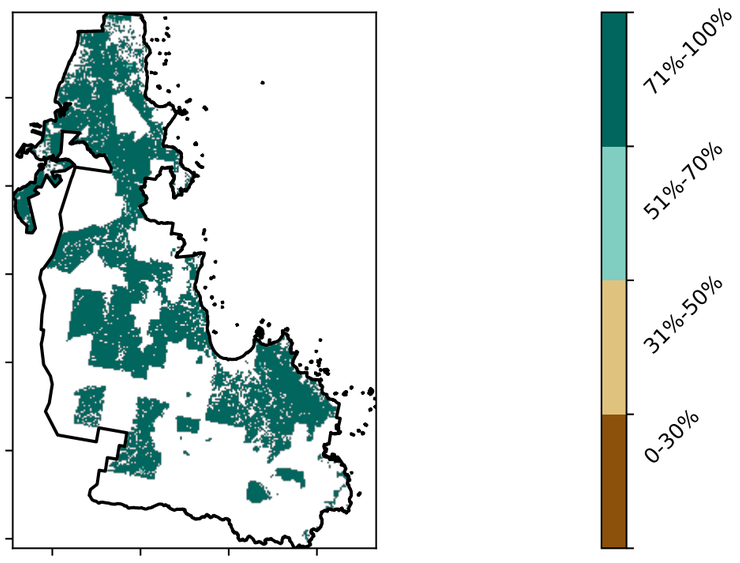
Conservation and natural environments Woodland forest

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

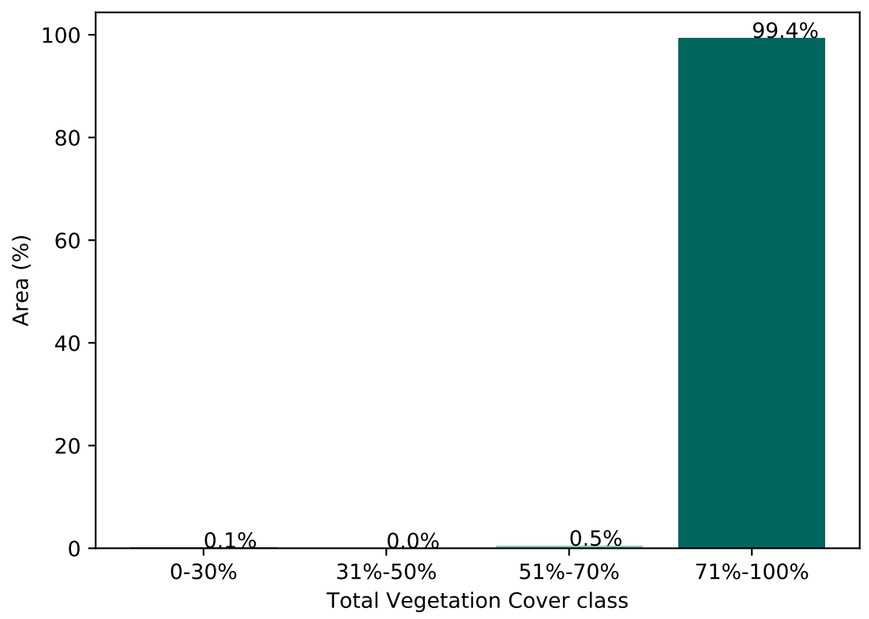
Land use and forest cover



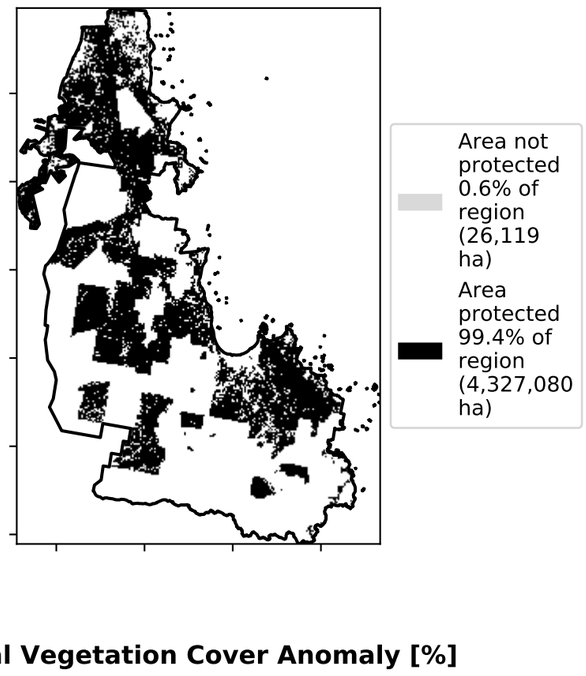
Total Vegetation Cover [%]



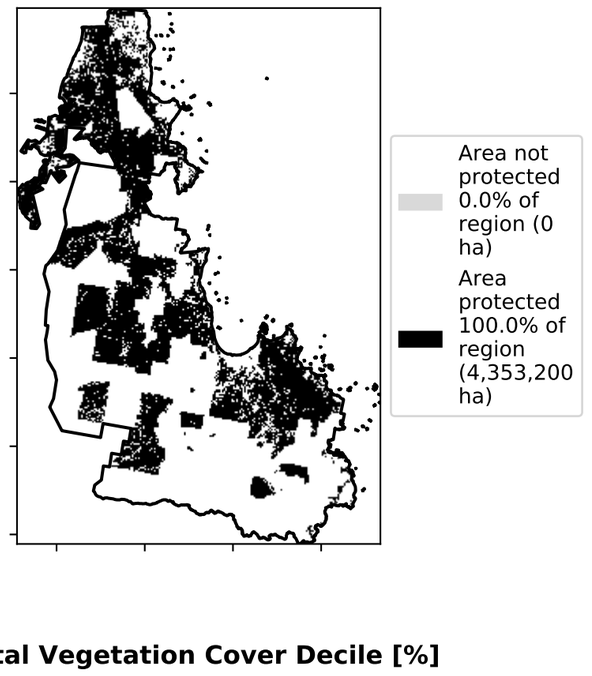
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

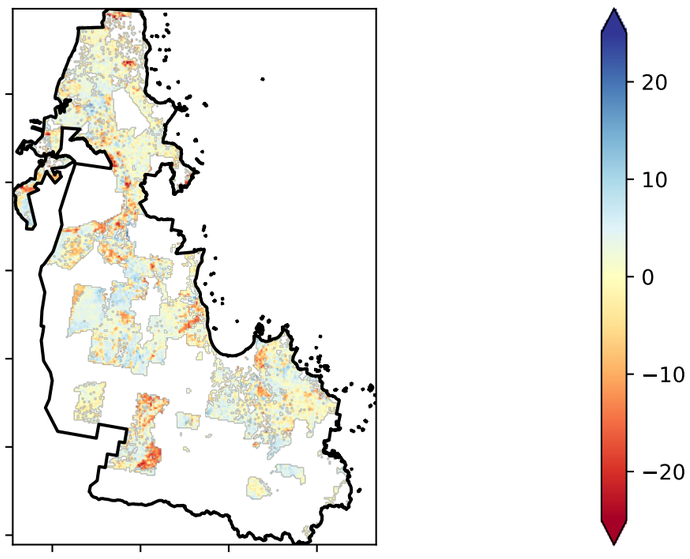


% Area protected from wind erosion (>50%)



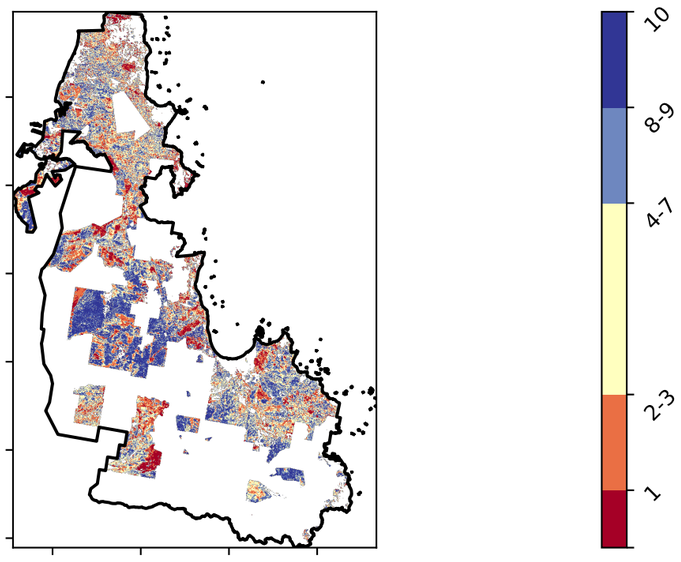
Total Vegetation Cover Anomaly [%]

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.



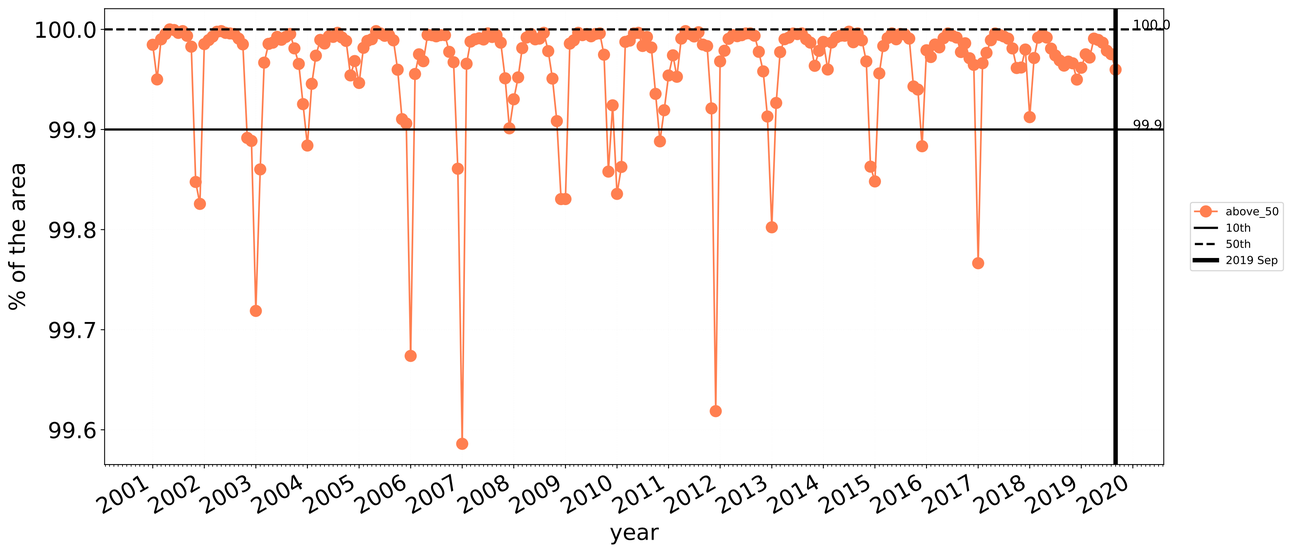
Total Vegetation Cover Decile [%]

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.

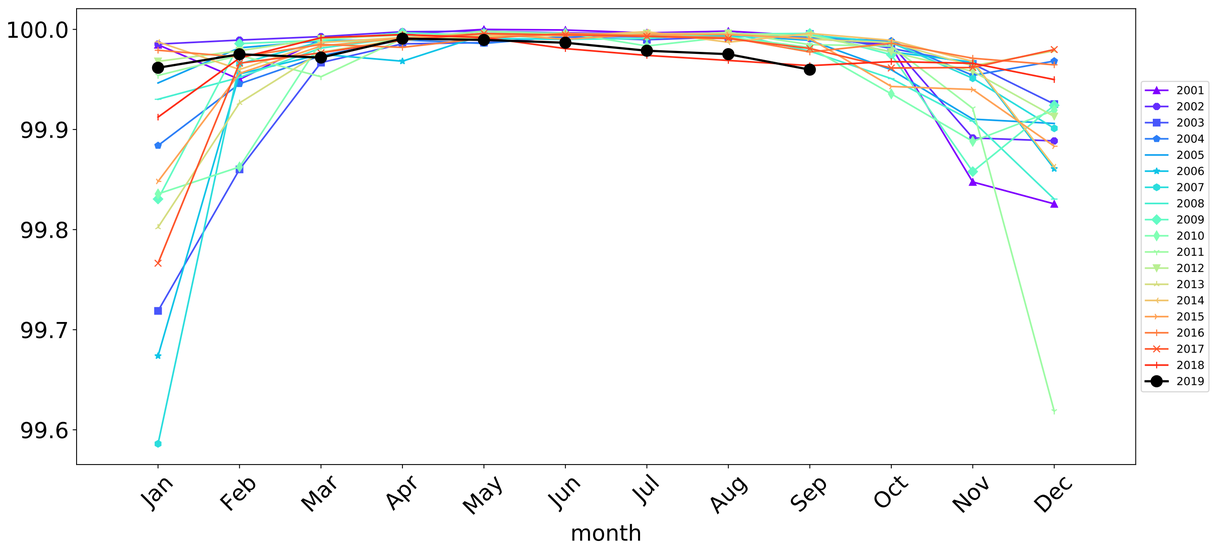


Conservation and natural environments Woodland forest timeseries

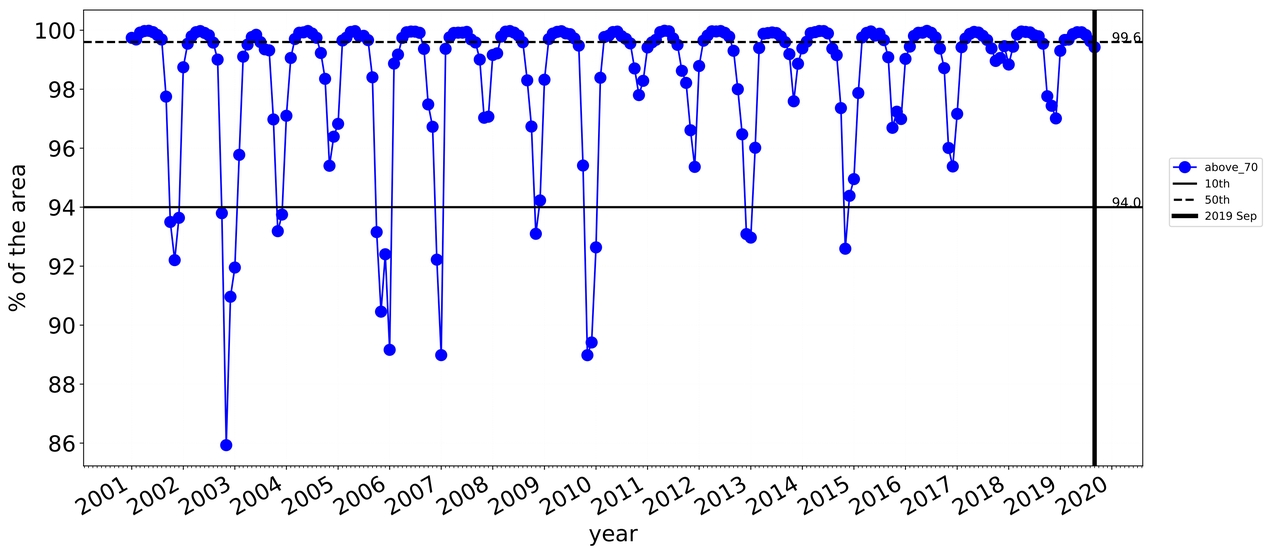
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



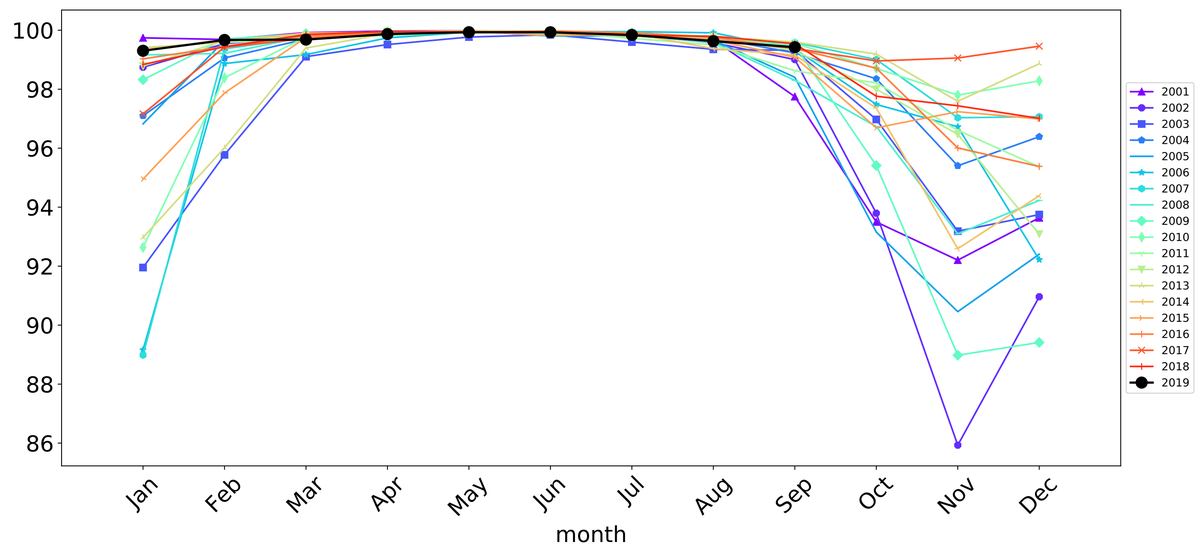
Wind erosion historical monthly area protected (Total Veg Cov >50%)

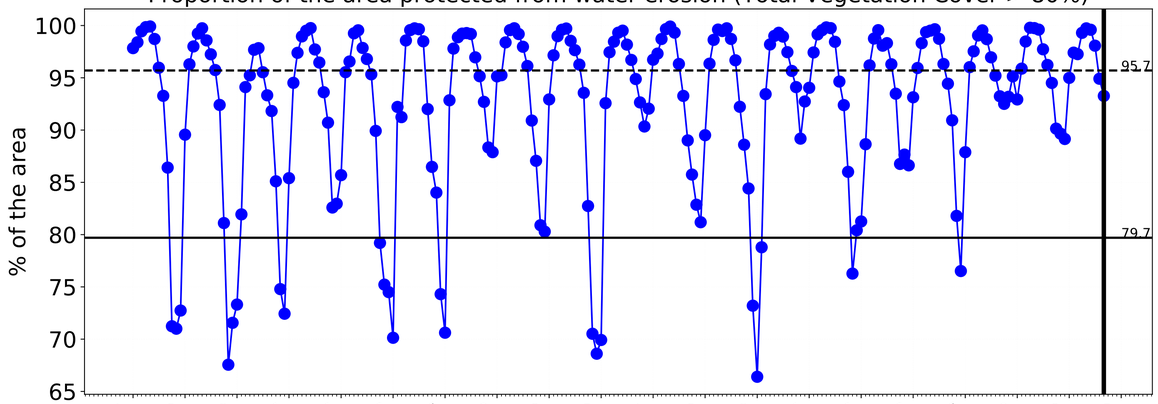


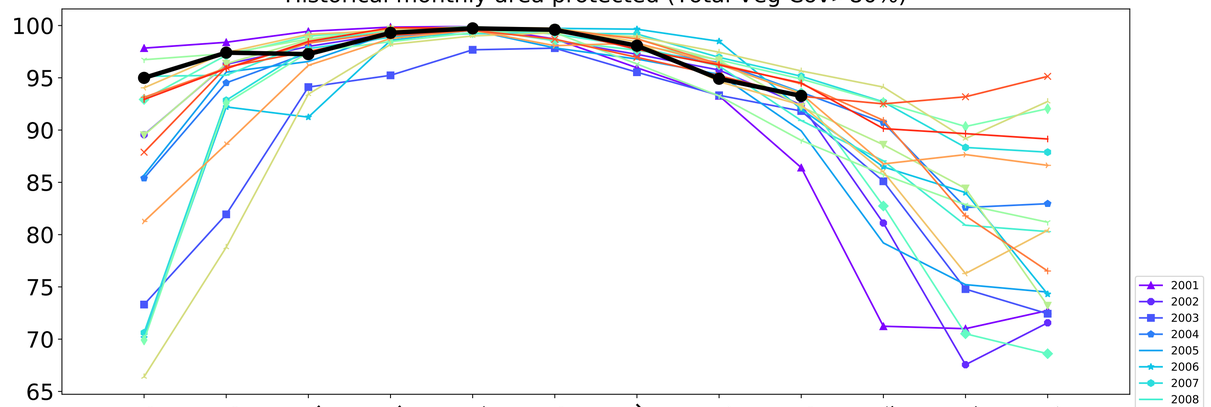
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
95.7
79.7
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Jan
Feb
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2001
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2003
2004
2005
2006
2007
2008
2009
2010
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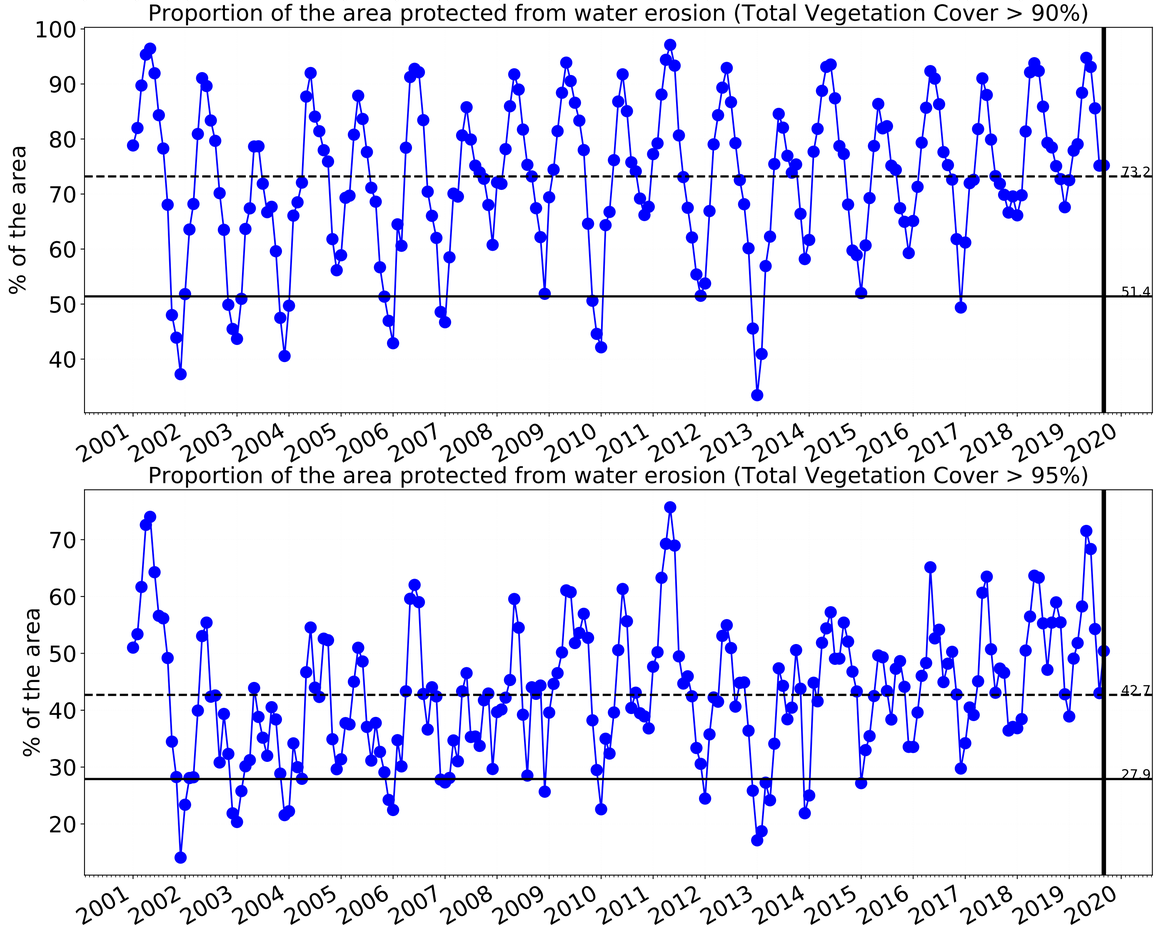
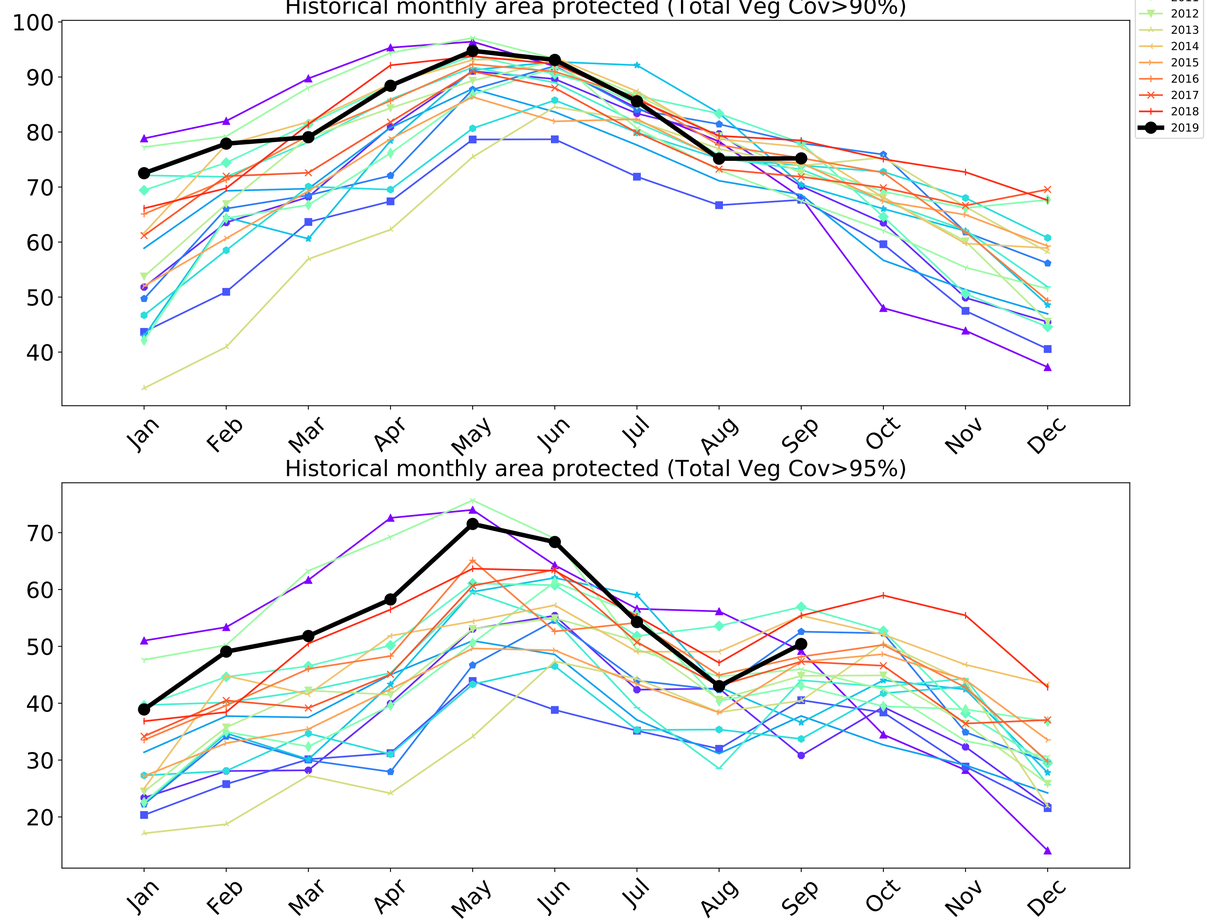
2019


Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
73.2
51.4
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
42.7
27.9
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
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Nov
Dec
2001
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2003
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2009
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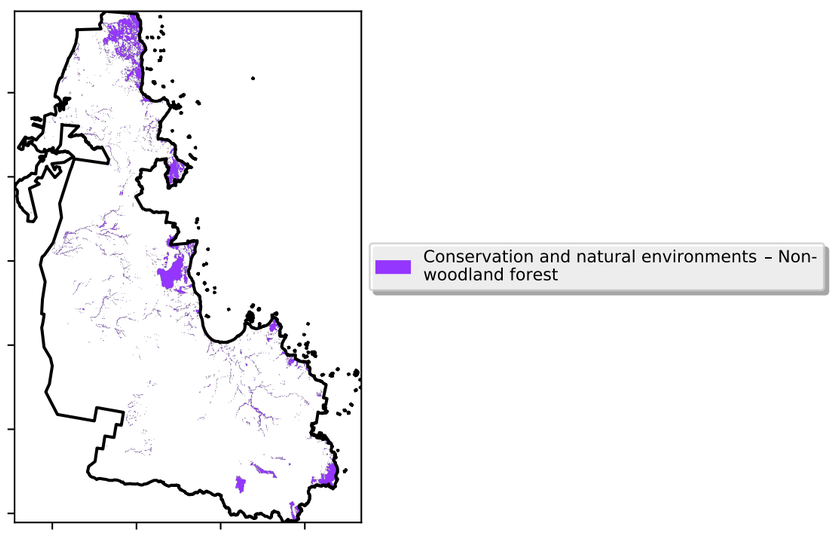
2011
2012
2013
2014
2015
2016
2017
2018
2019

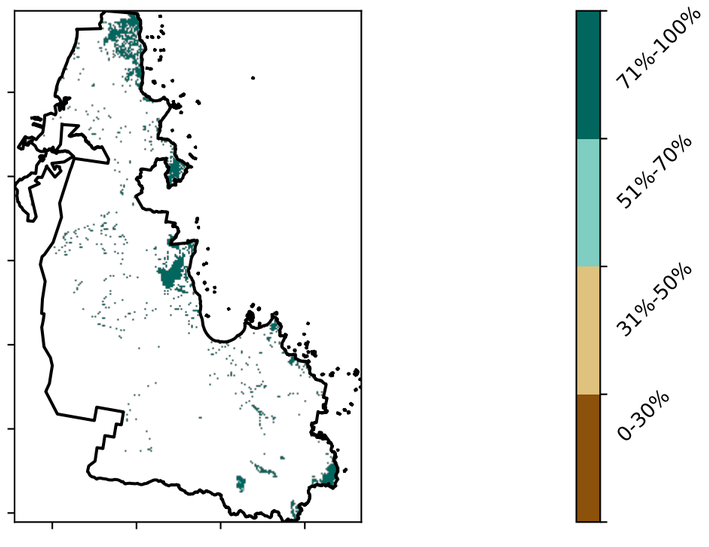
Conservation and natural environments Forest (non woodland)

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

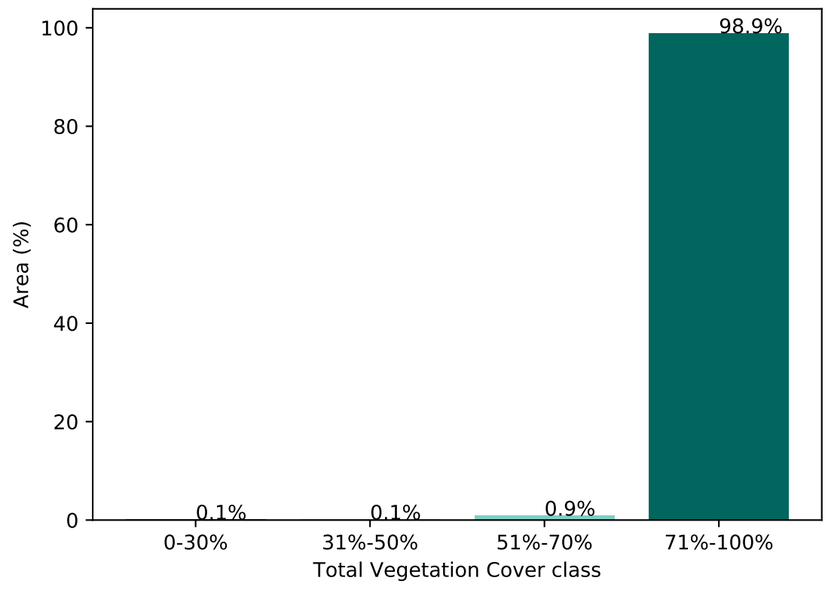
Land use and forest cover



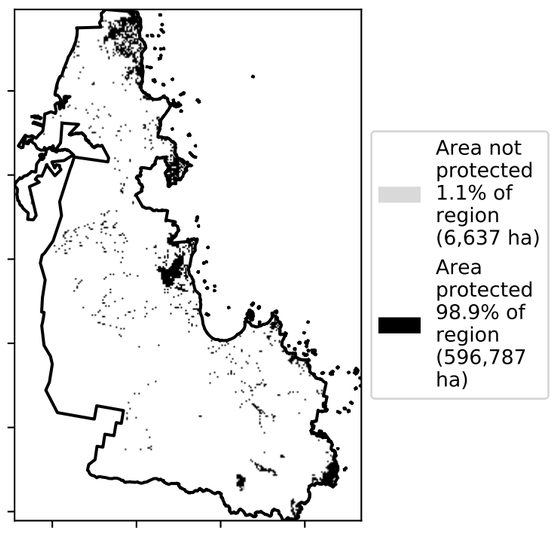
Total Vegetation Cover [%]



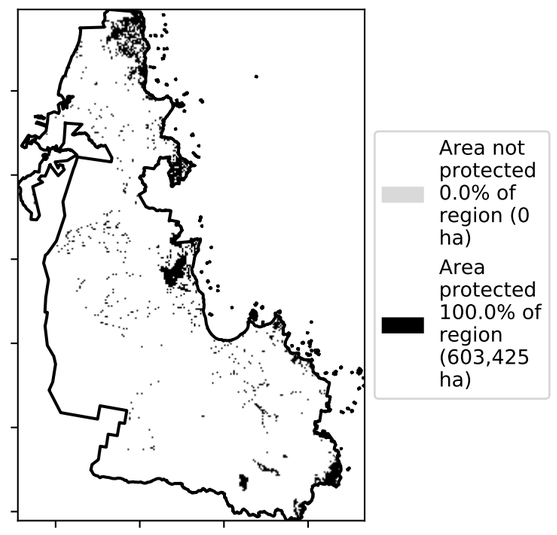
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

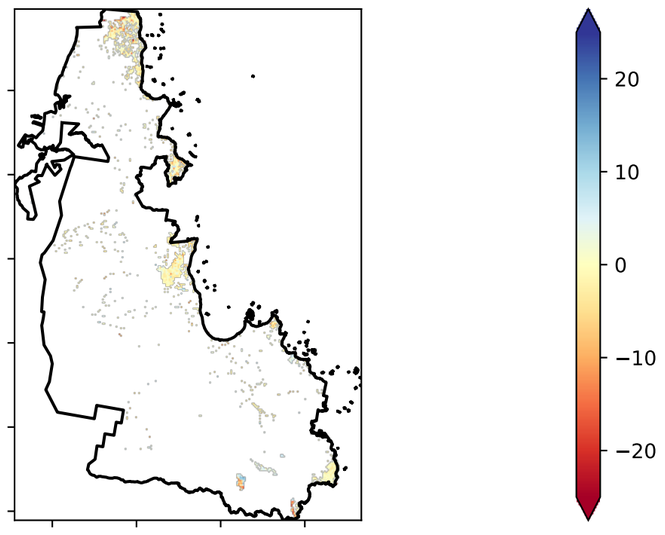


% Area protected from wind erosion (>50%)



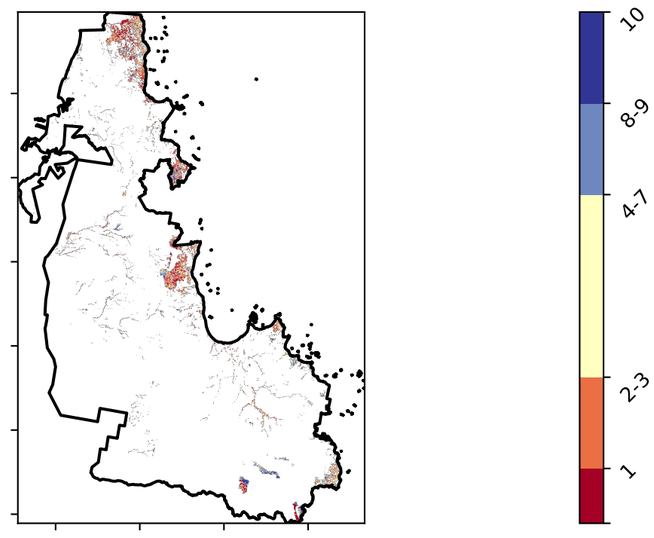
Total Vegetation Cover Anomaly [%]

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.



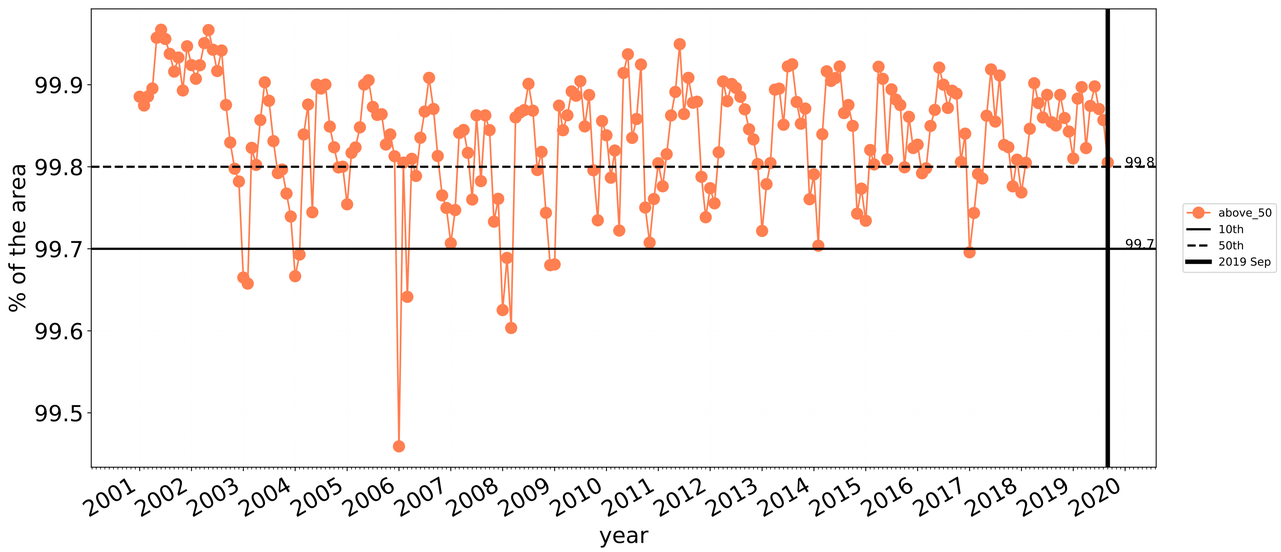
Total Vegetation Cover Decile [%]

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.

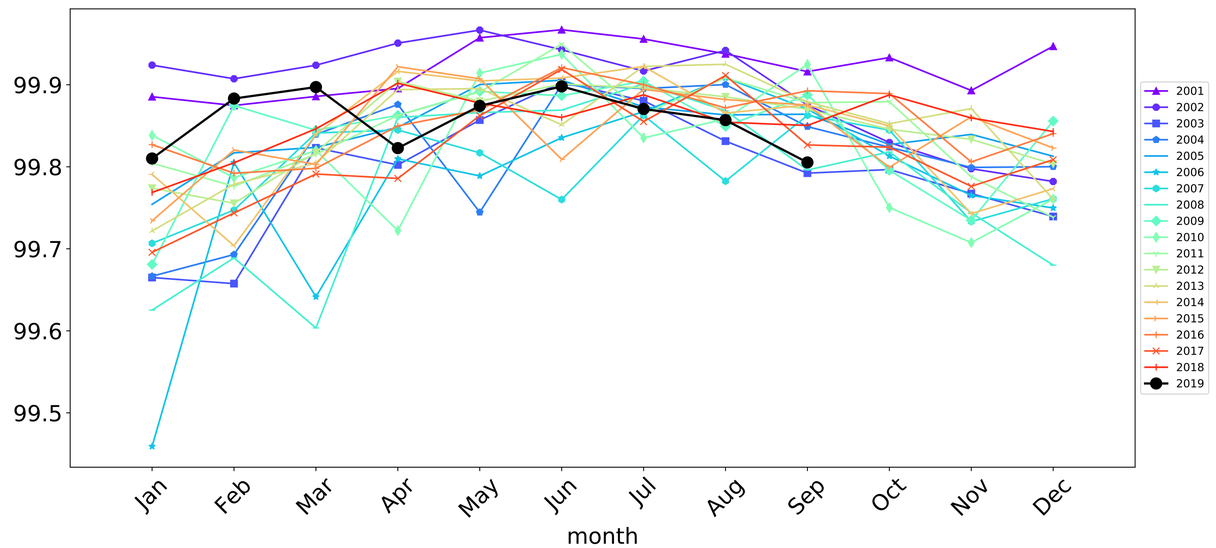


Conservation and natural environments Forest (non woodland) timeseries

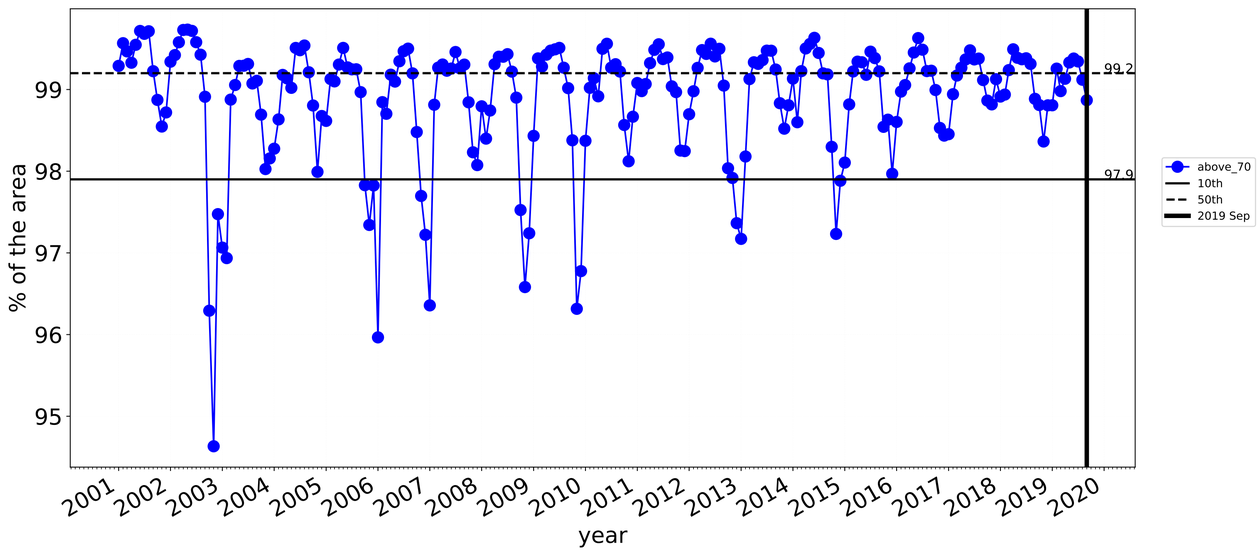
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



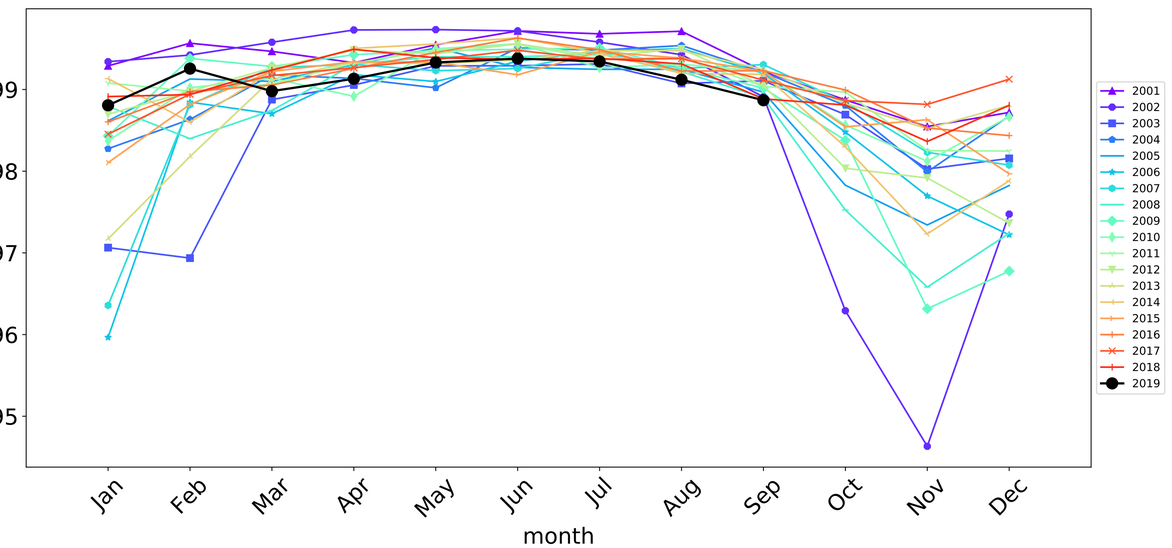
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



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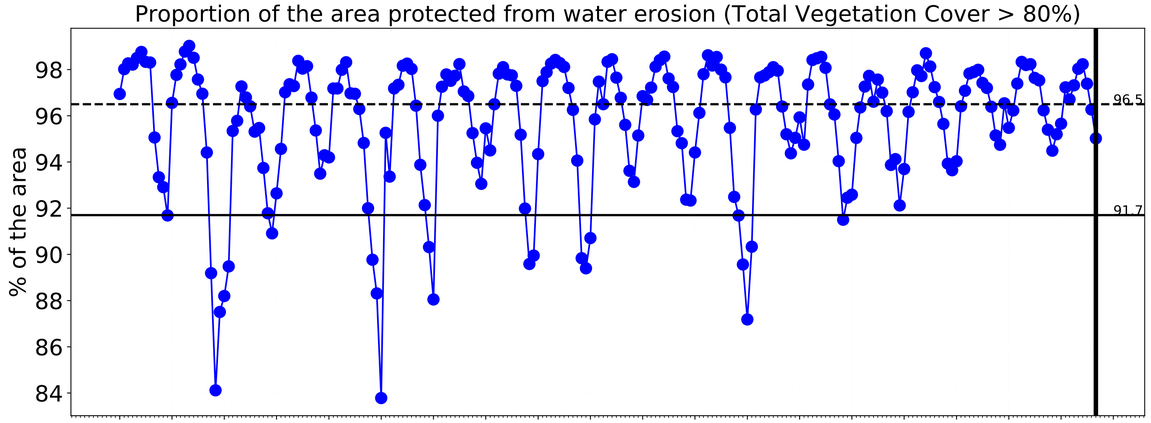
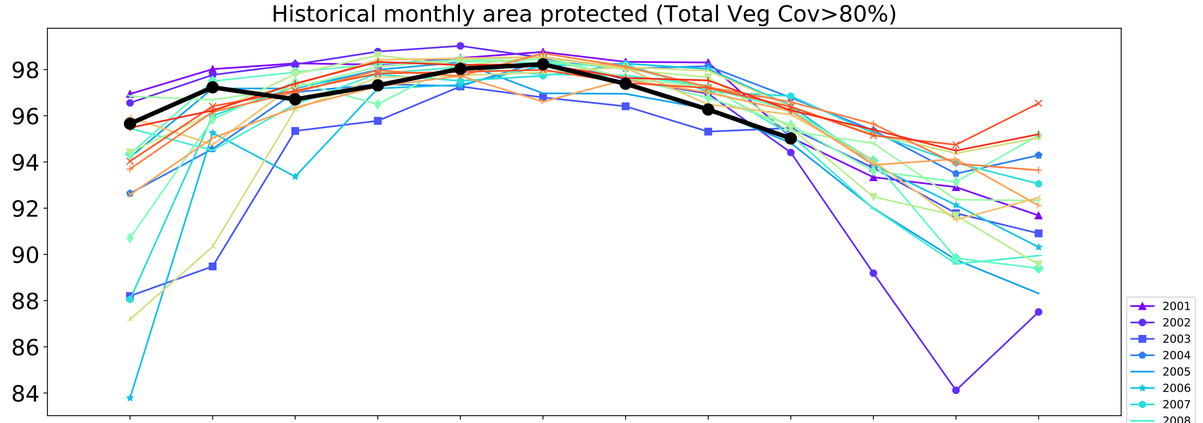

Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
96.5
91.7
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Jan
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2004
2005
2006
2007
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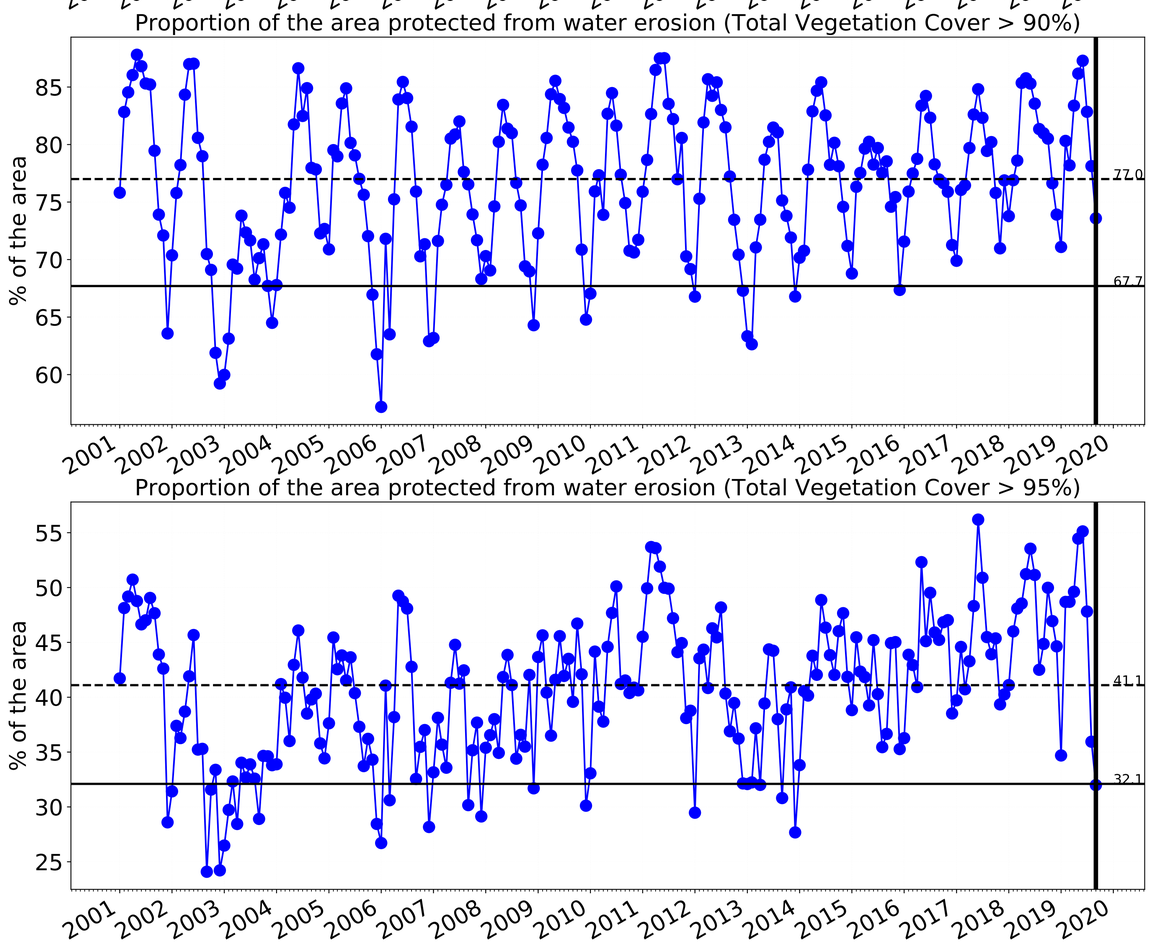
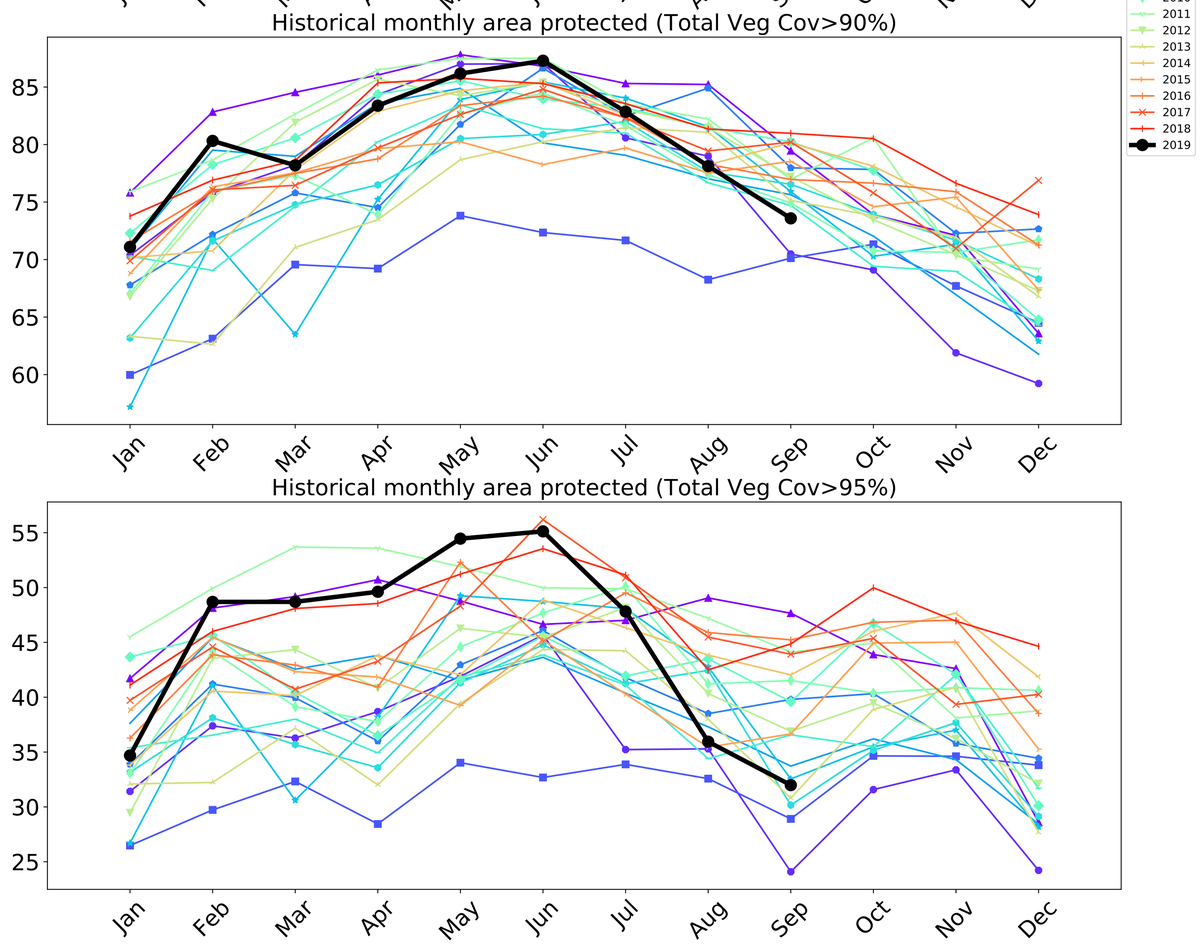

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
77.0
67.7
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
41.1
32.1
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
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Nov
Dec
2001
2002
2003
2004
2005
2006
2007
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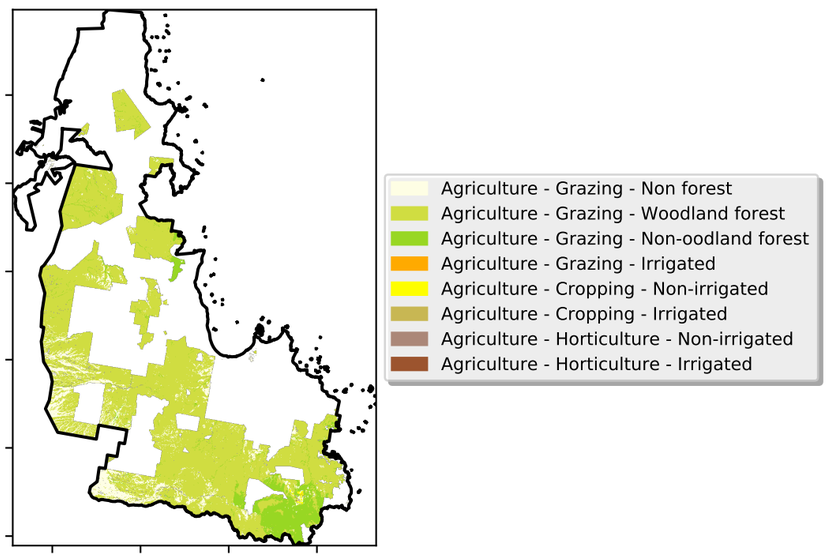
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

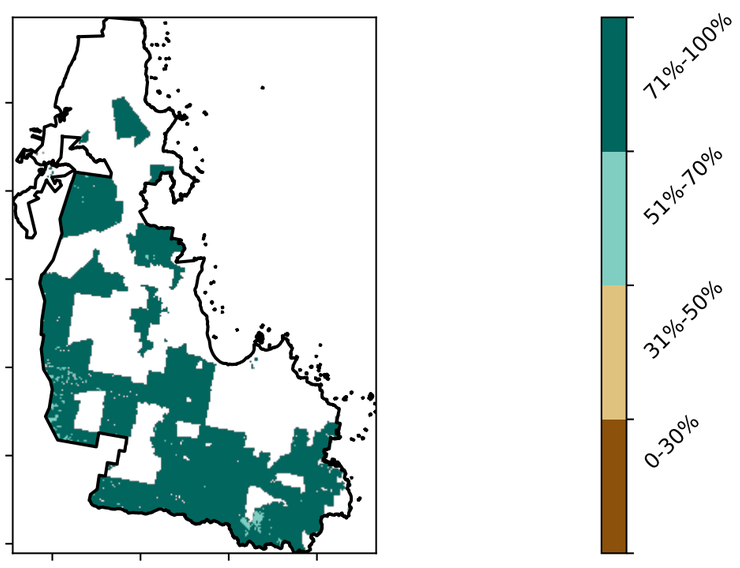
Agriculture

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

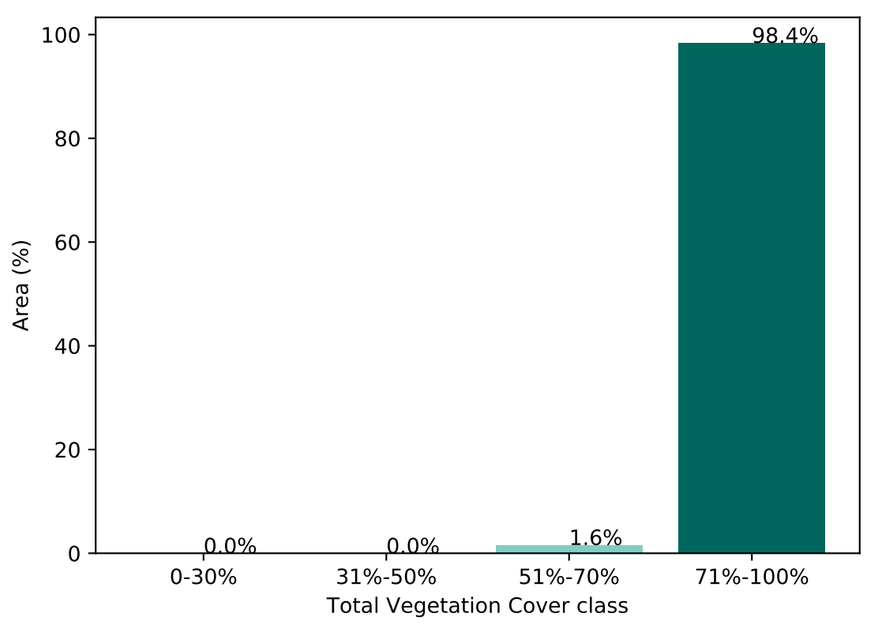
Land use and forest cover



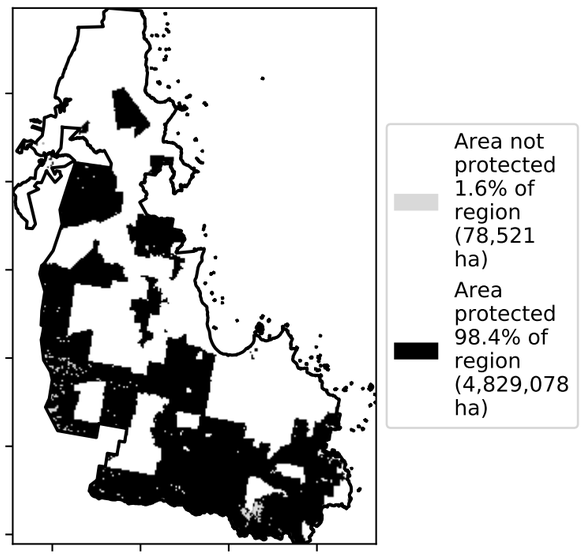
Total Vegetation Cover [%]



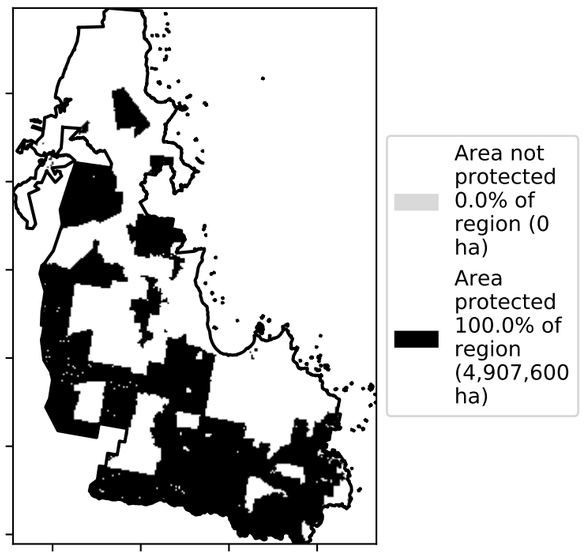
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

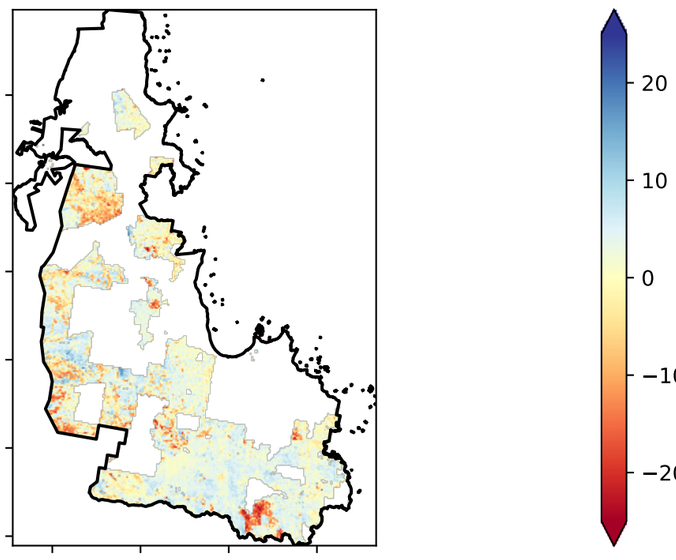


% Area protected from wind erosion (>50%)



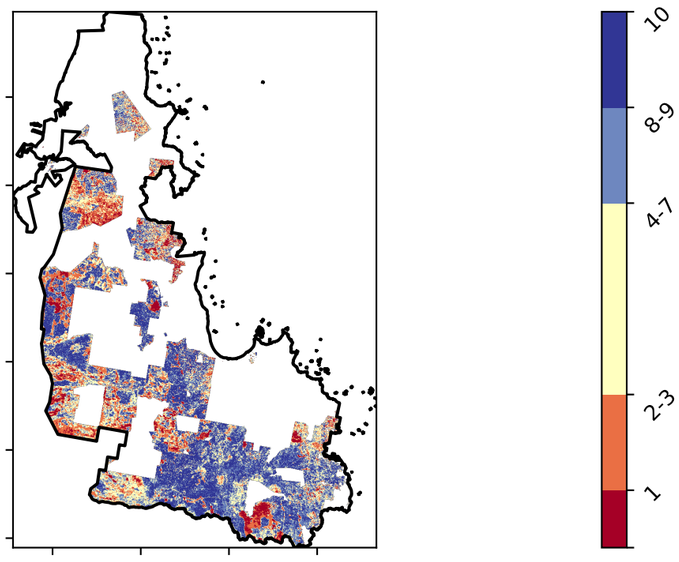
Total Vegetation Cover Anomaly [%]

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.



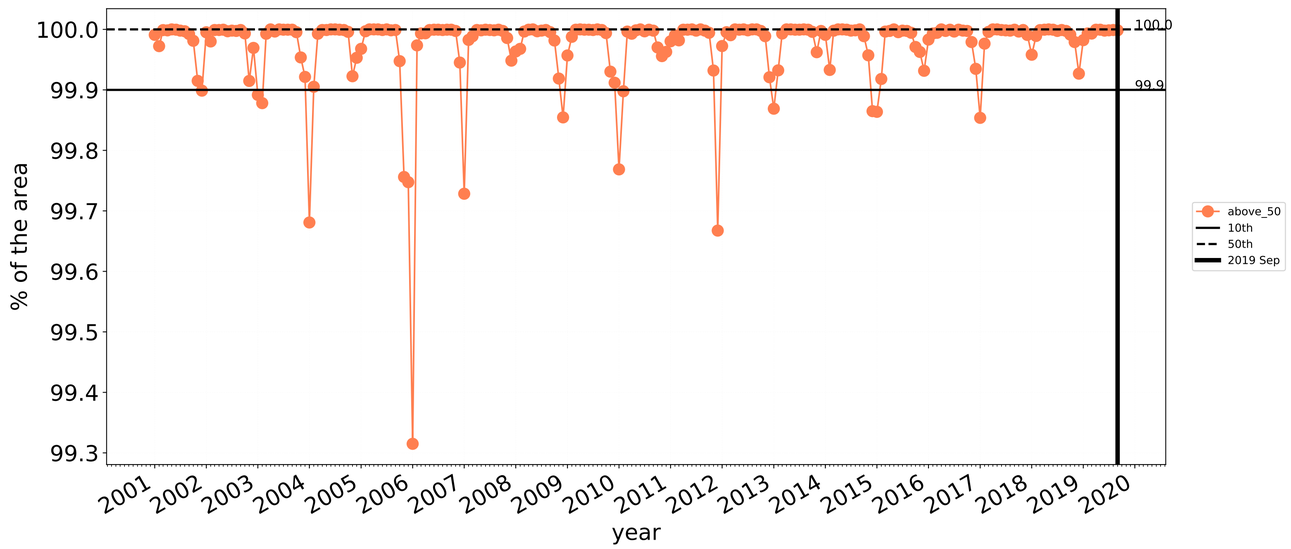
Total Vegetation Cover Decile [%]

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.

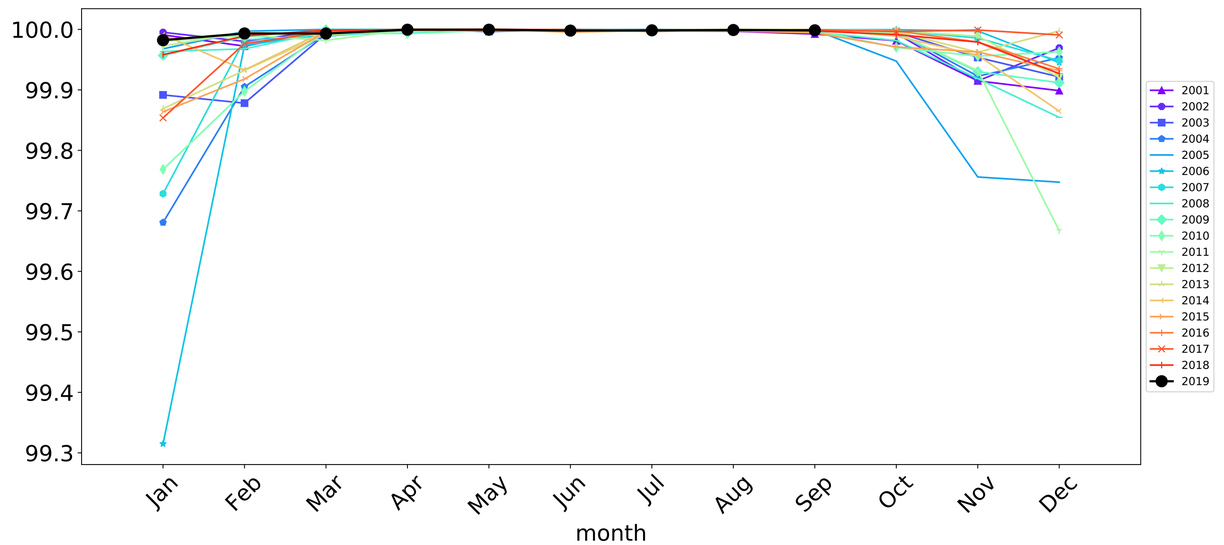


Agriculture timeseries

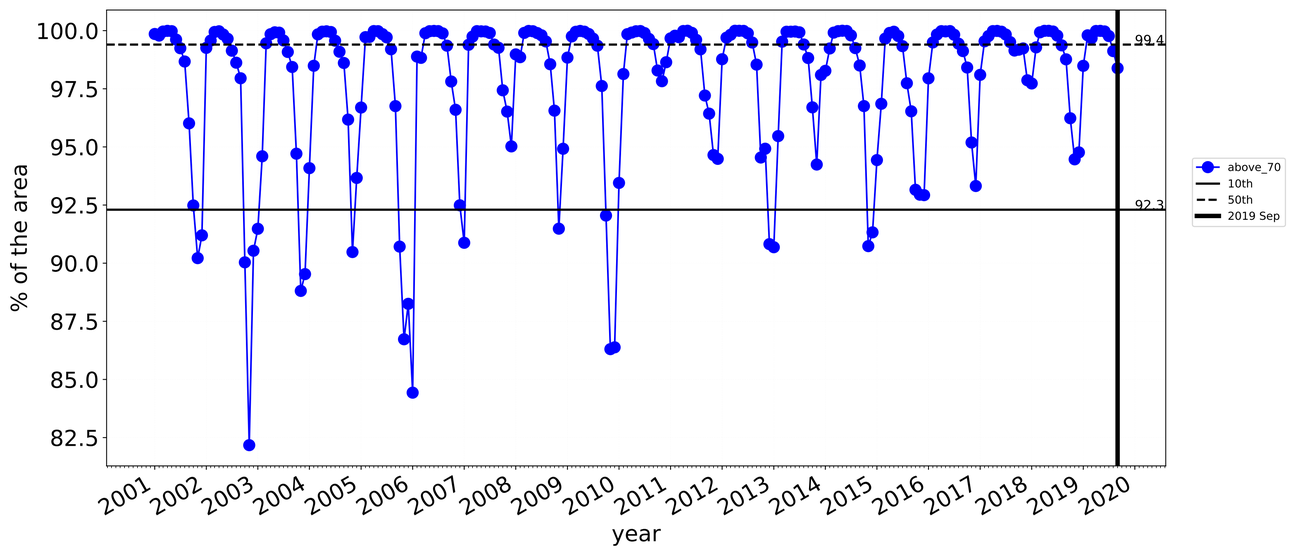
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



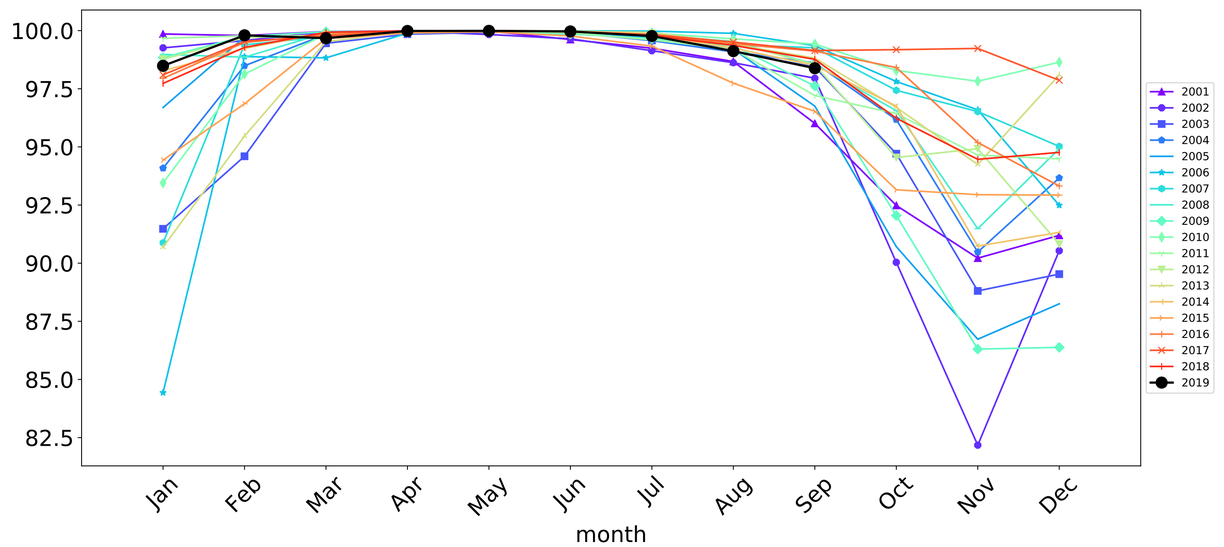
Wind erosion historical monthly area protected (Total Veg Cov >50%)

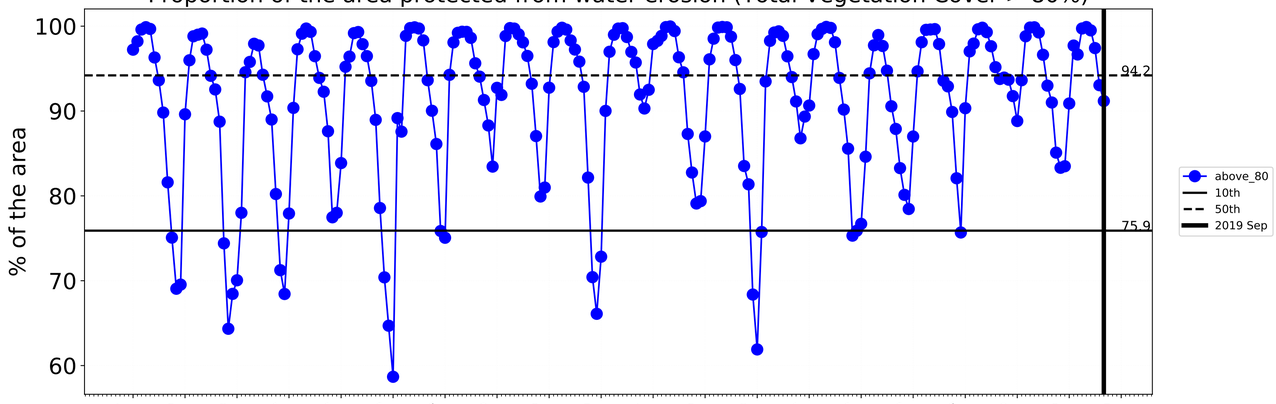


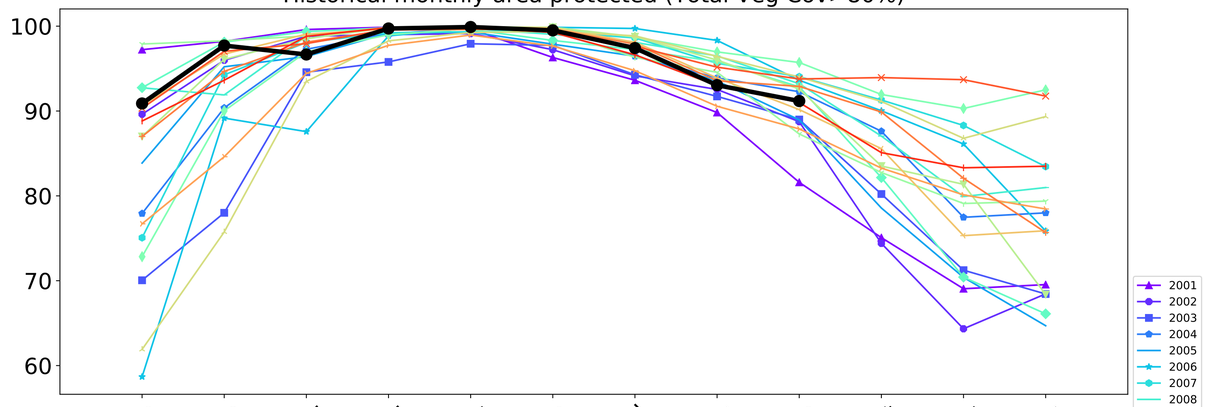
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
94.2
75.9
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
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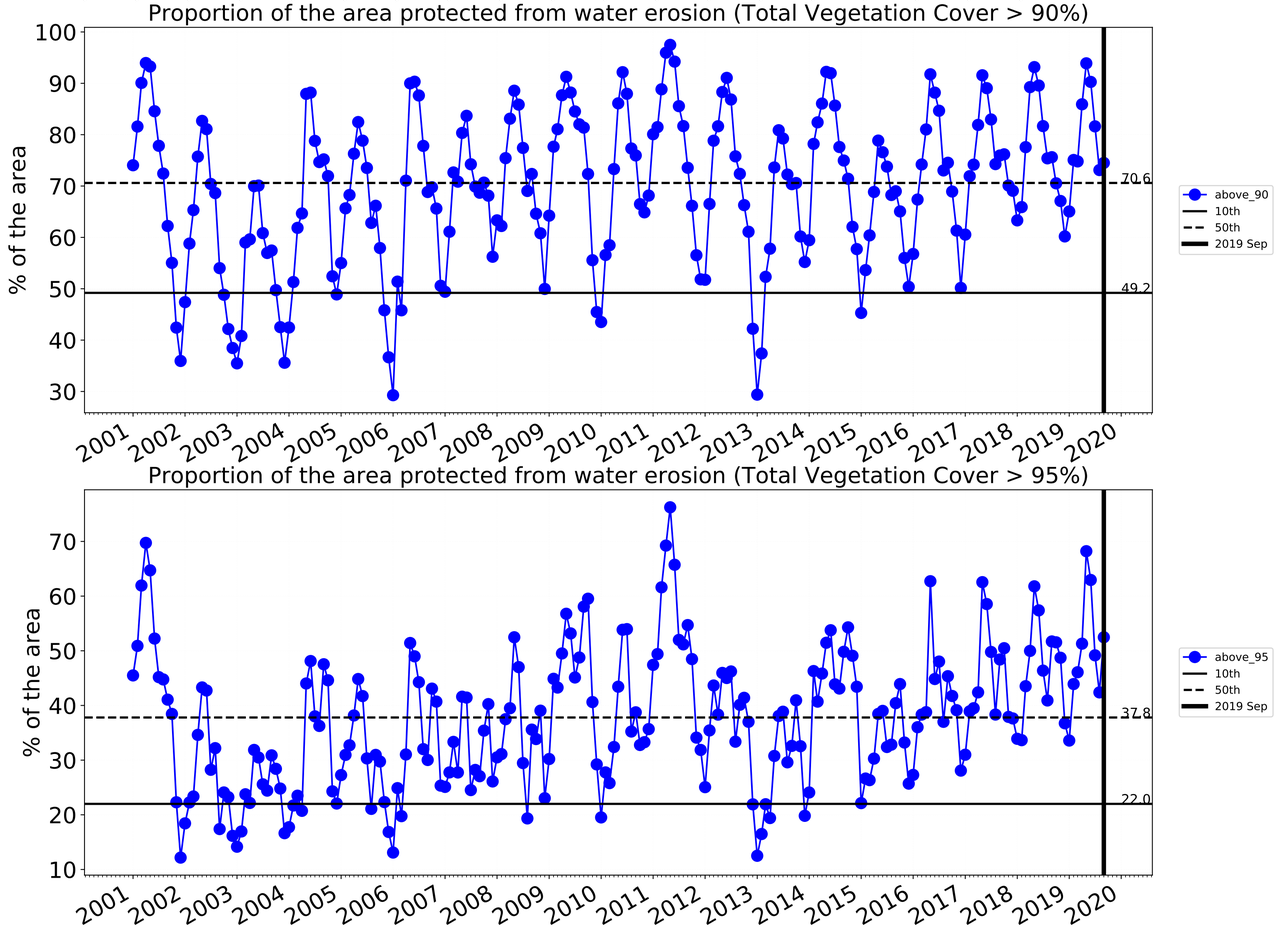
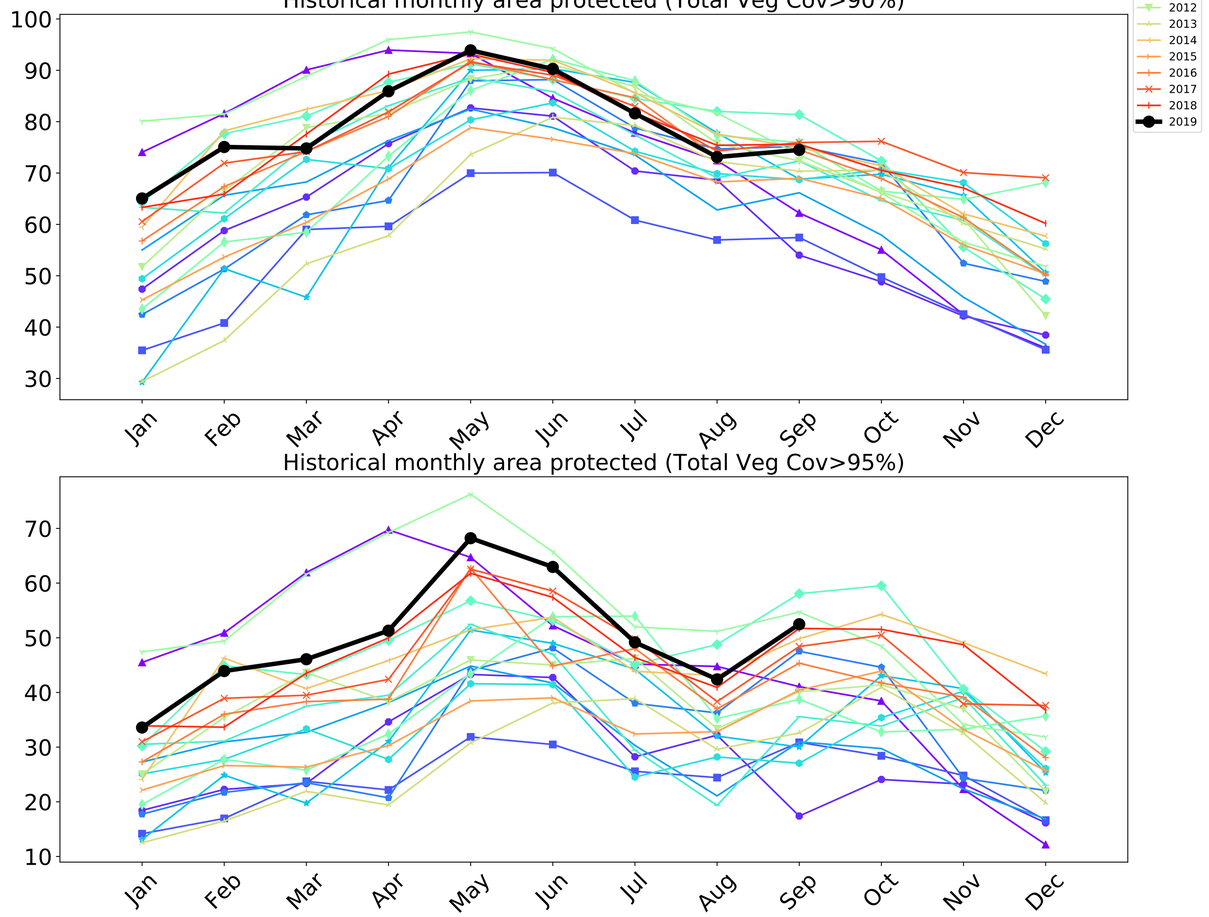

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
70.6
49.2
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
37.8
22.0
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
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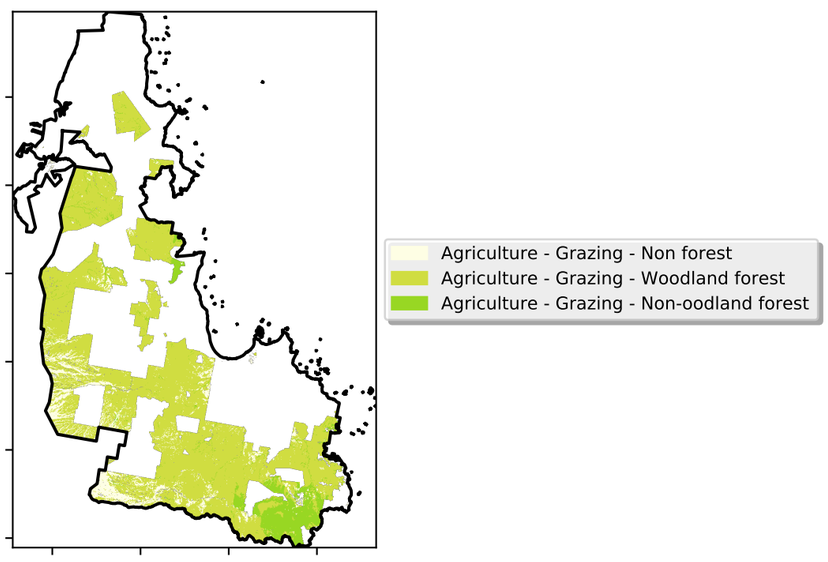
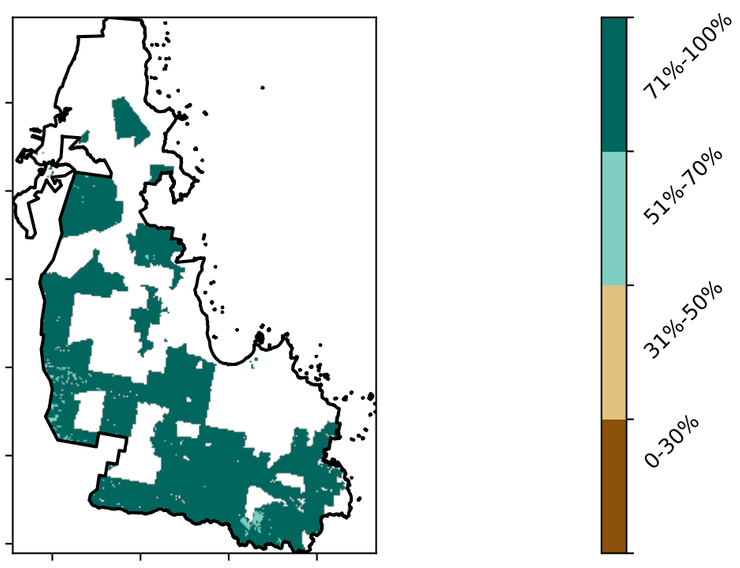
Grazing

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

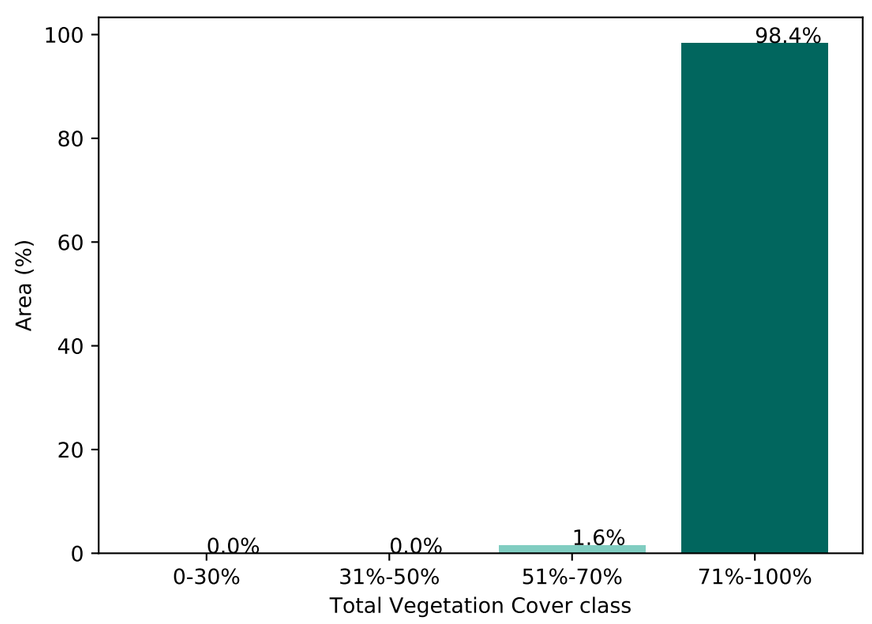
Land use and forest cover



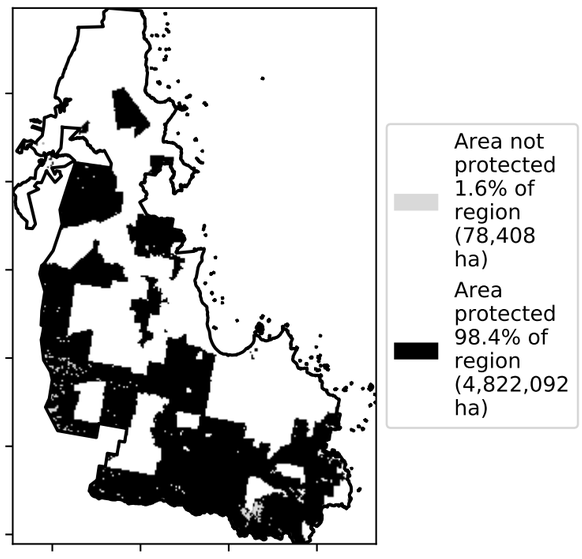
Total Vegetation Cover [%]



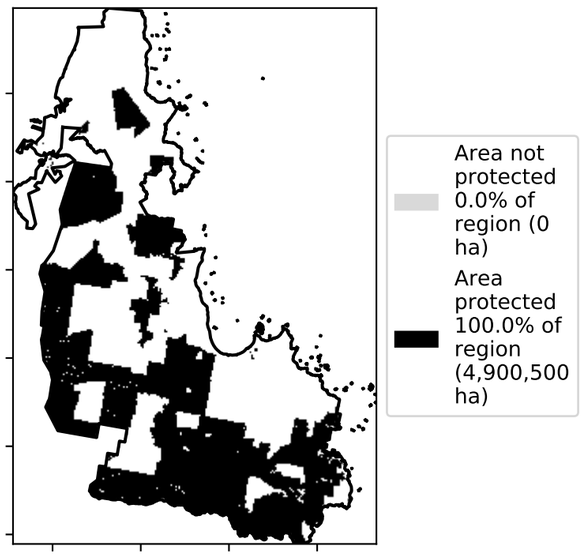
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

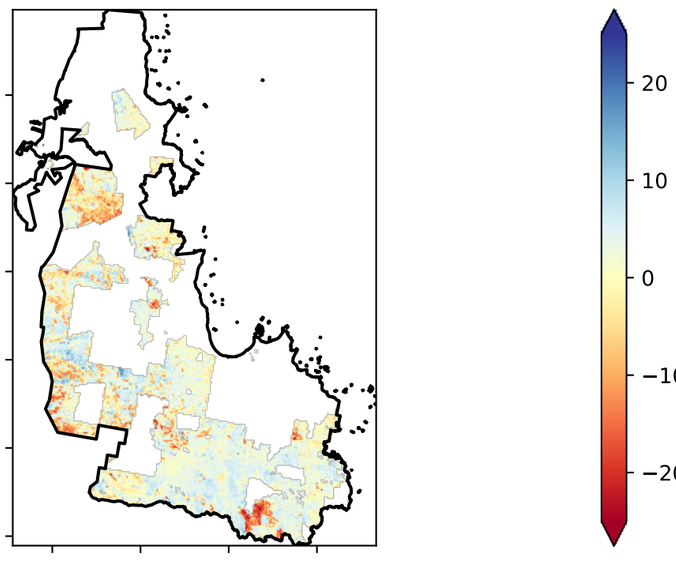


% Area protected from wind erosion (>50%)



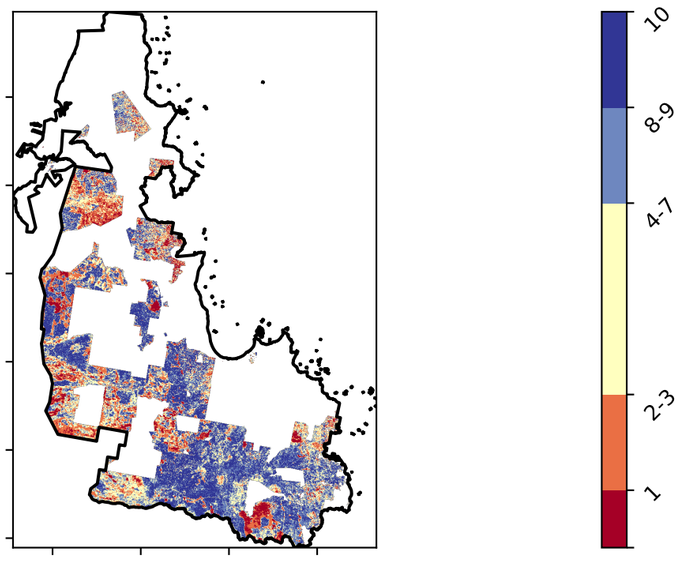
Total Vegetation Cover Anomaly [%]

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.



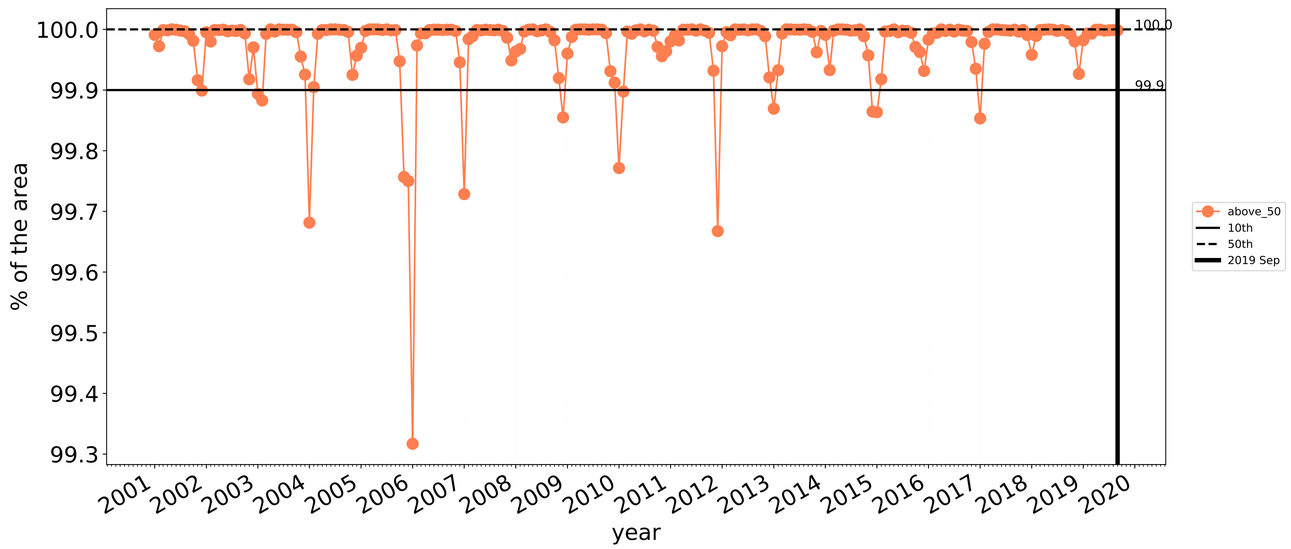
Total Vegetation Cover Decile [%]

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.

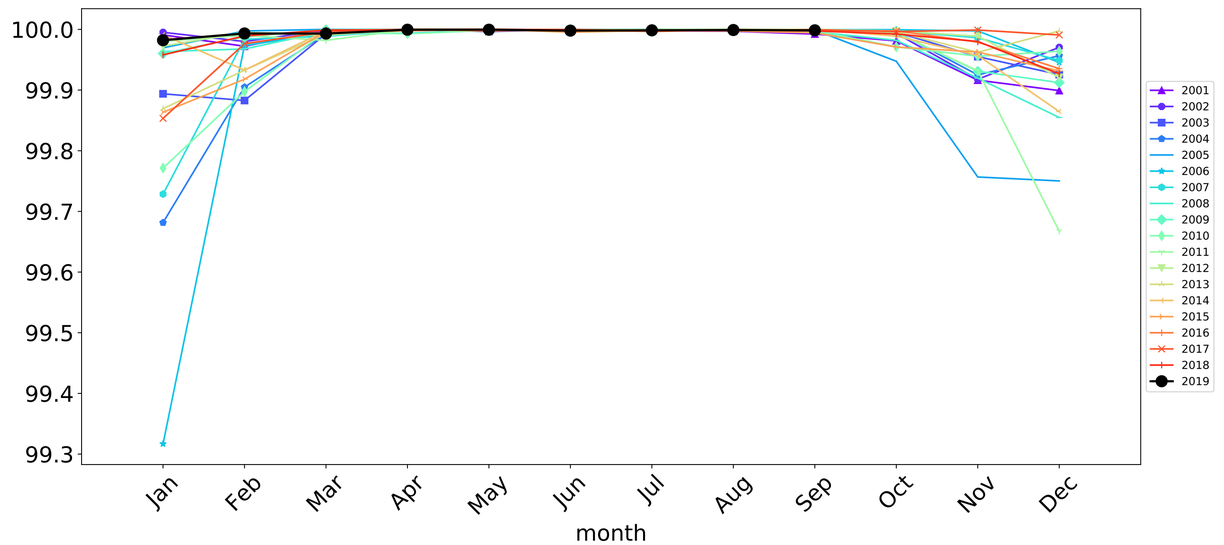


Grazing timeseries

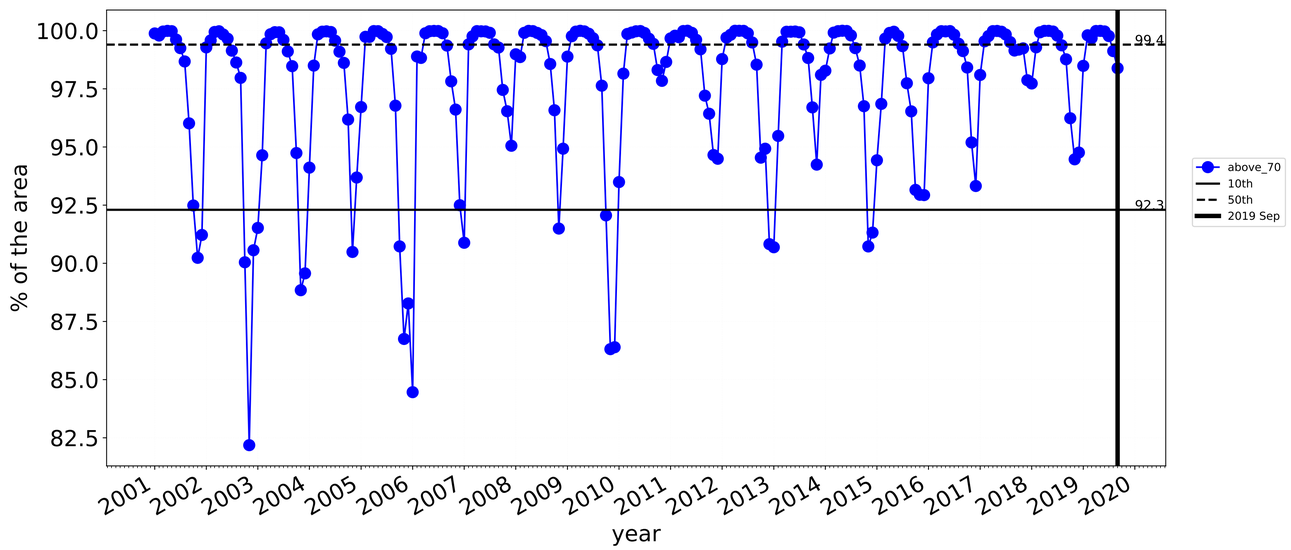
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



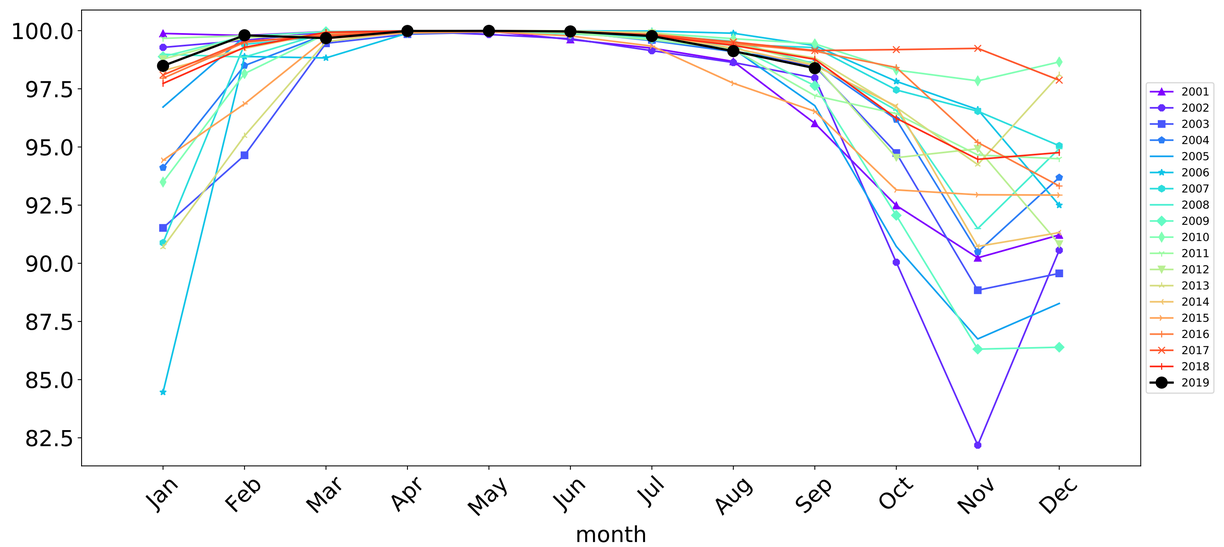
Wind erosion historical monthly area protected (Total Veg Cov >50%)

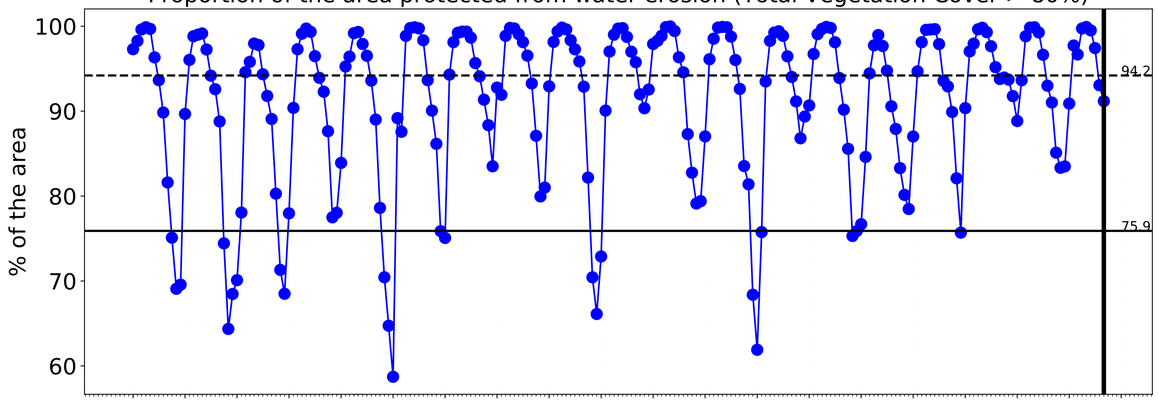


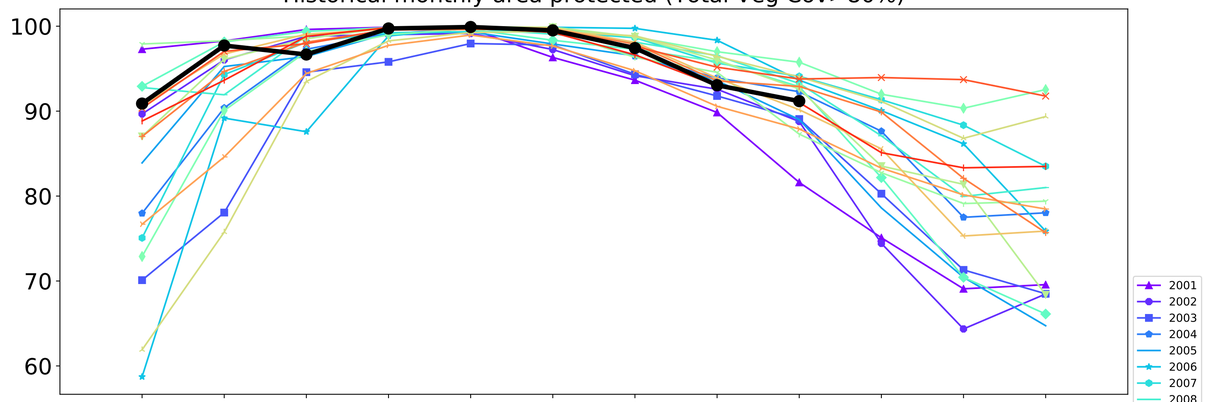
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
94.2
75.9
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
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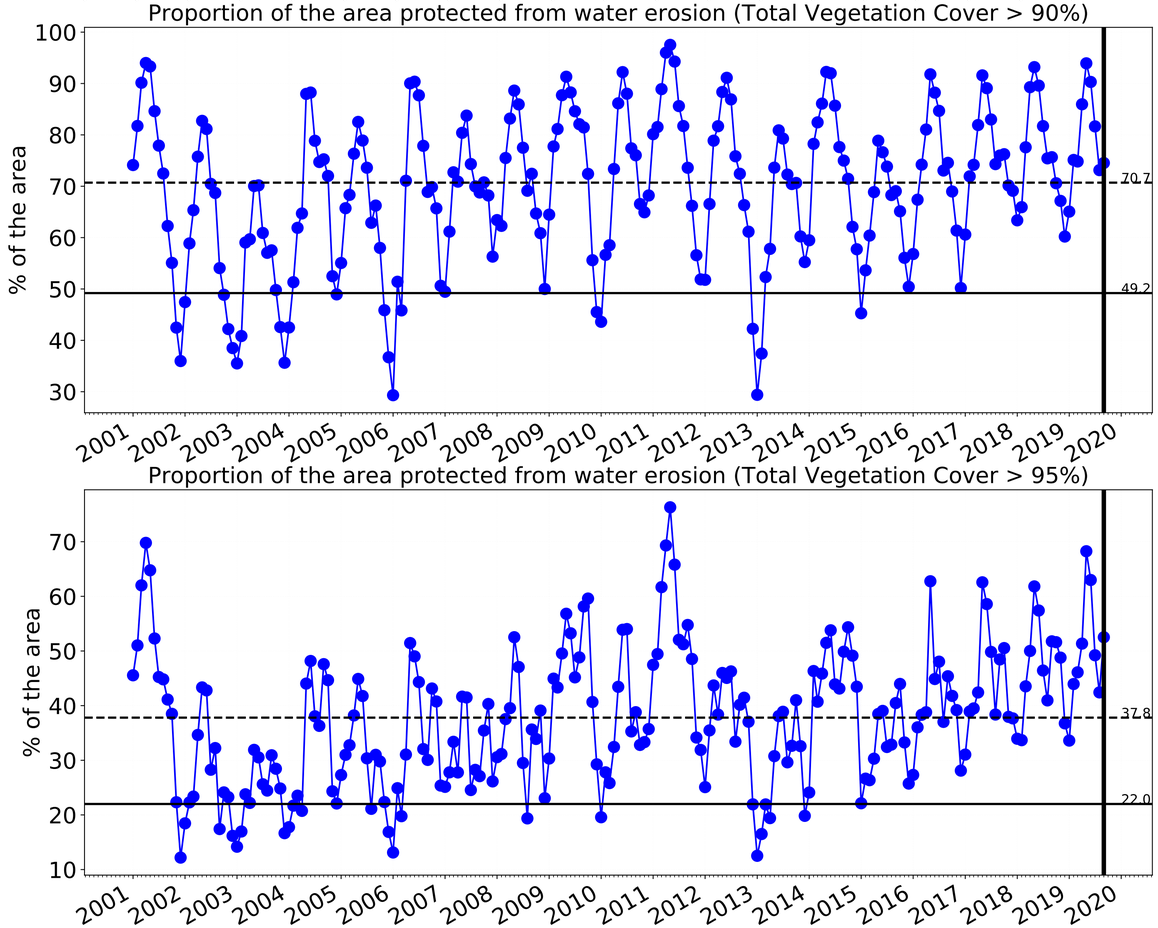
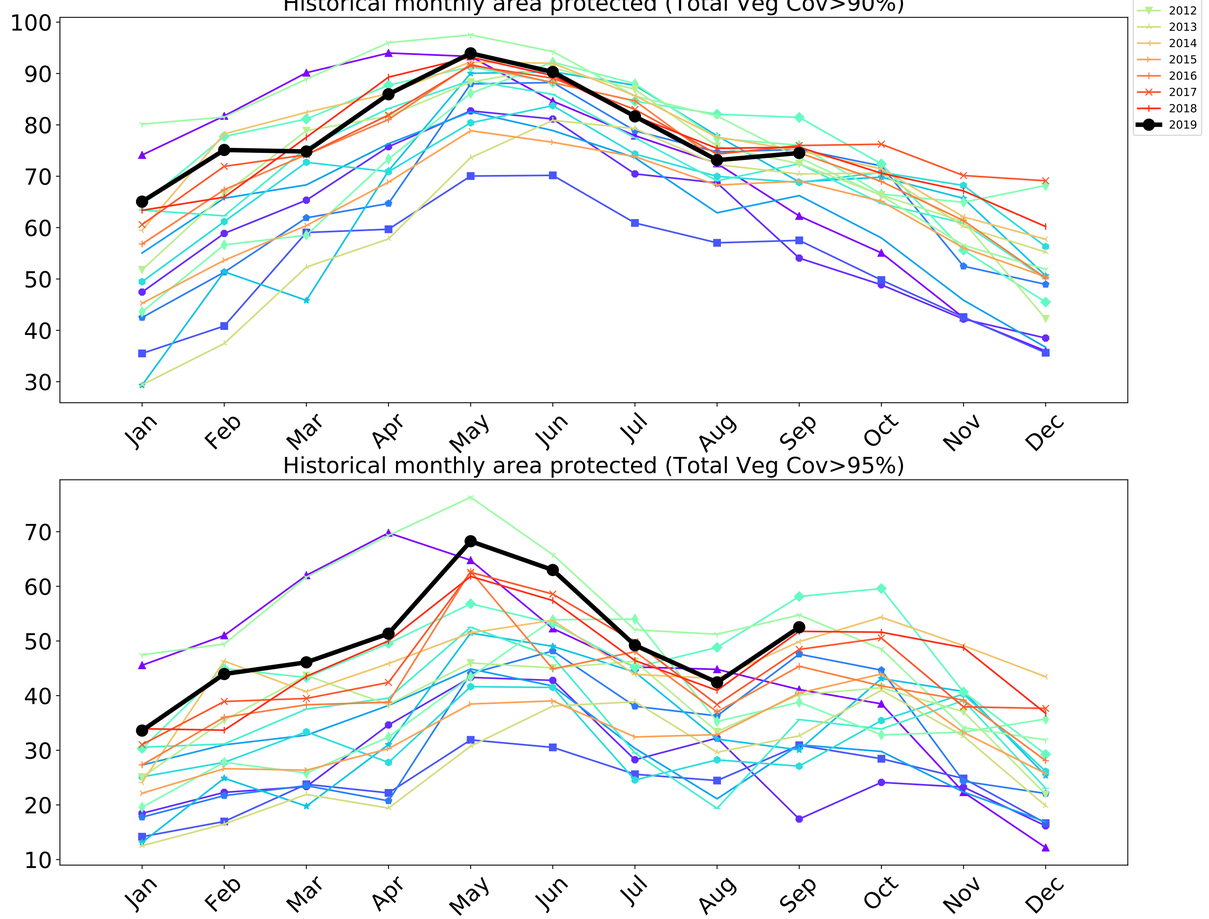

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
70.7
49.2
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
37.8
22.0
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
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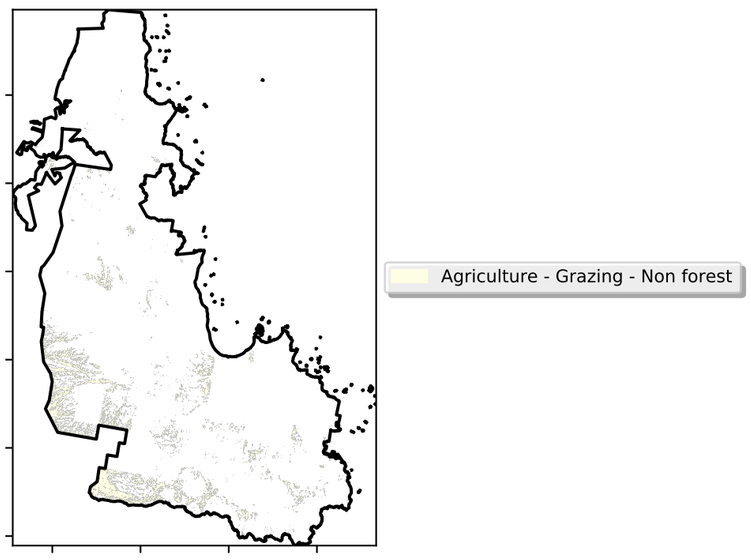
2019

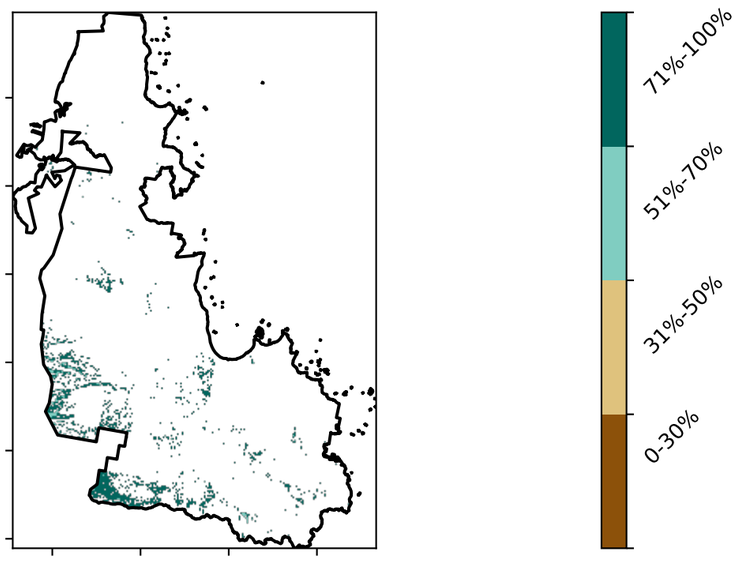
Grazing non forest

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

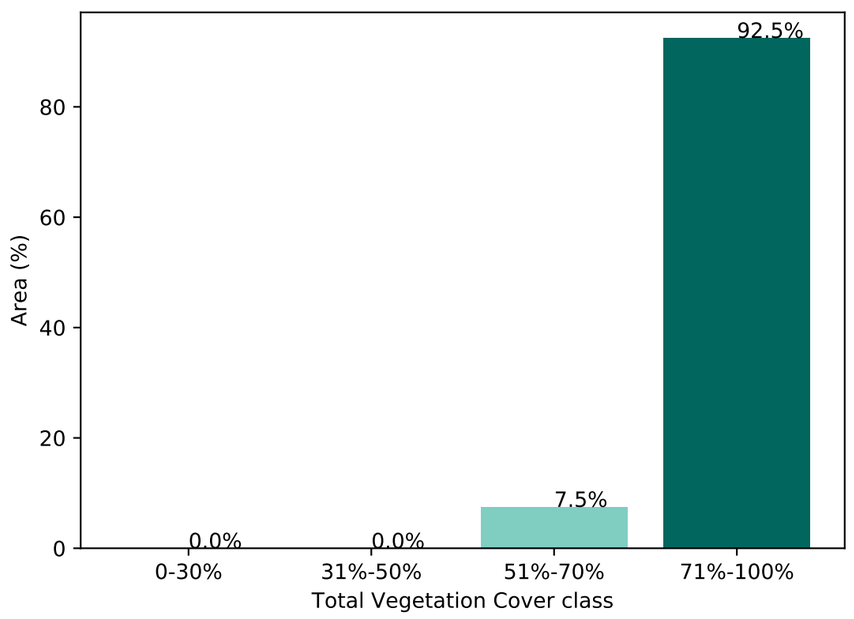
Land use and forest cover



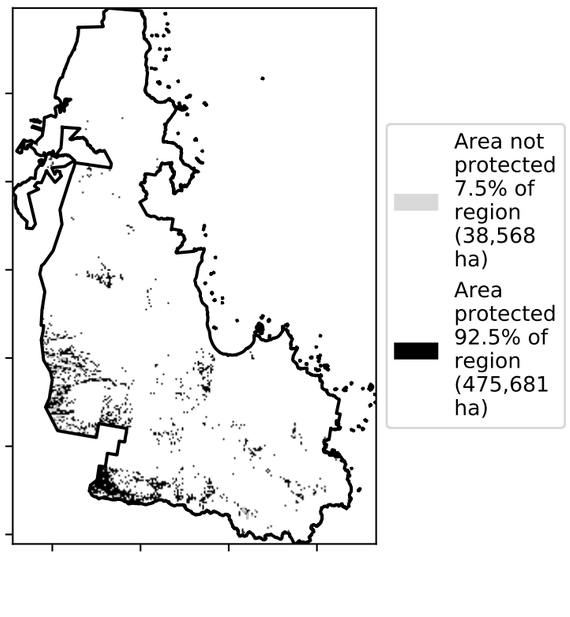
Total Vegetation Cover [%]



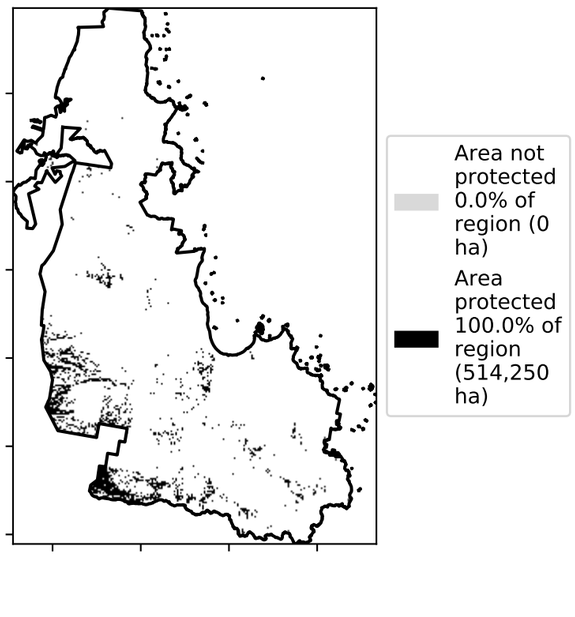
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

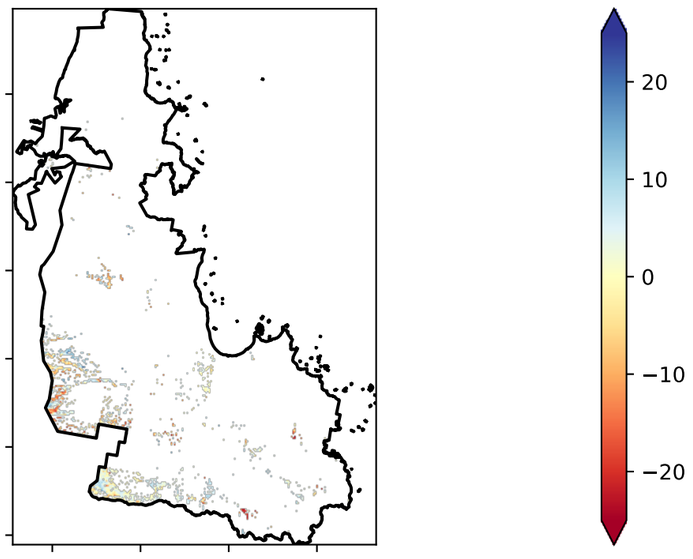


% Area protected from wind erosion (>50%)



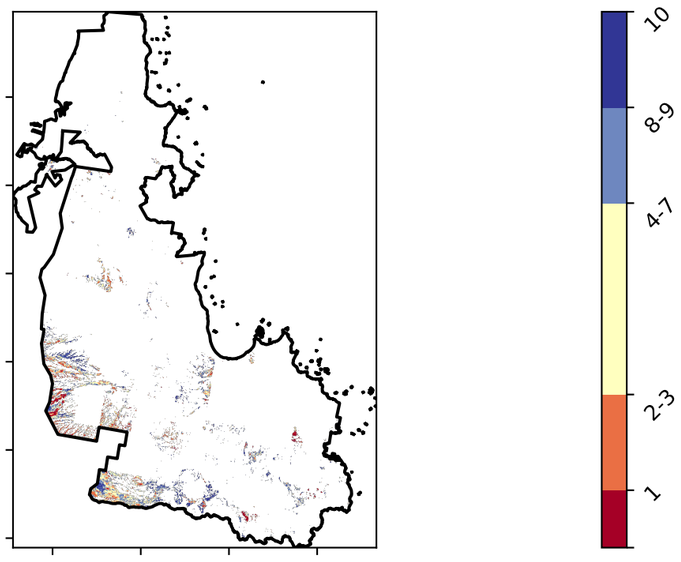
Total Vegetation Cover Anomaly [%]

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.



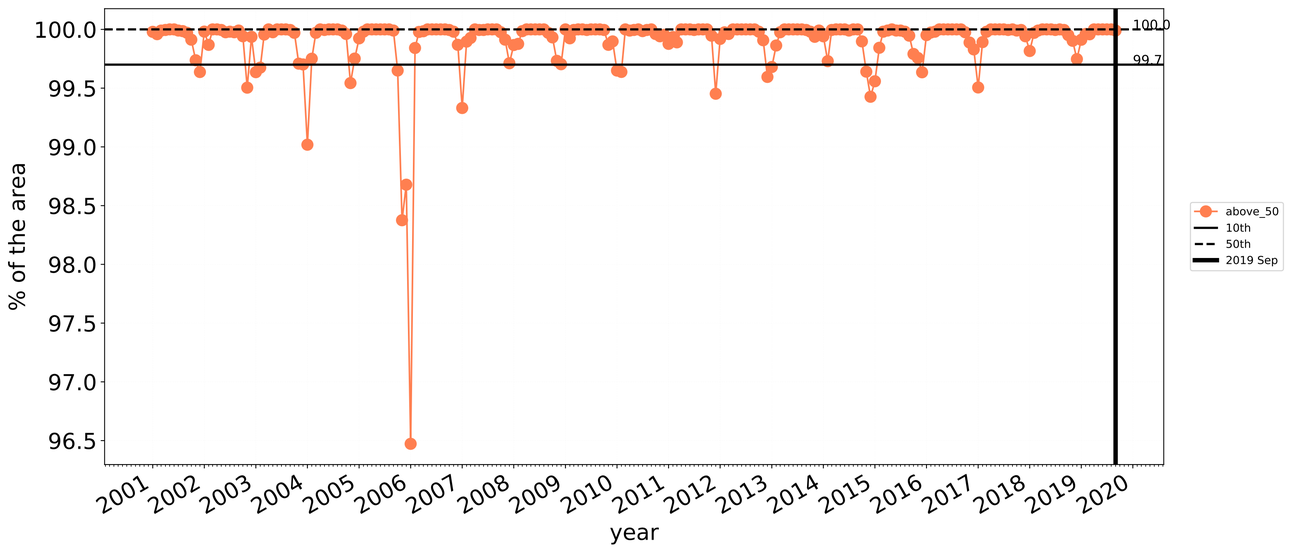
Total Vegetation Cover Decile [%]

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.

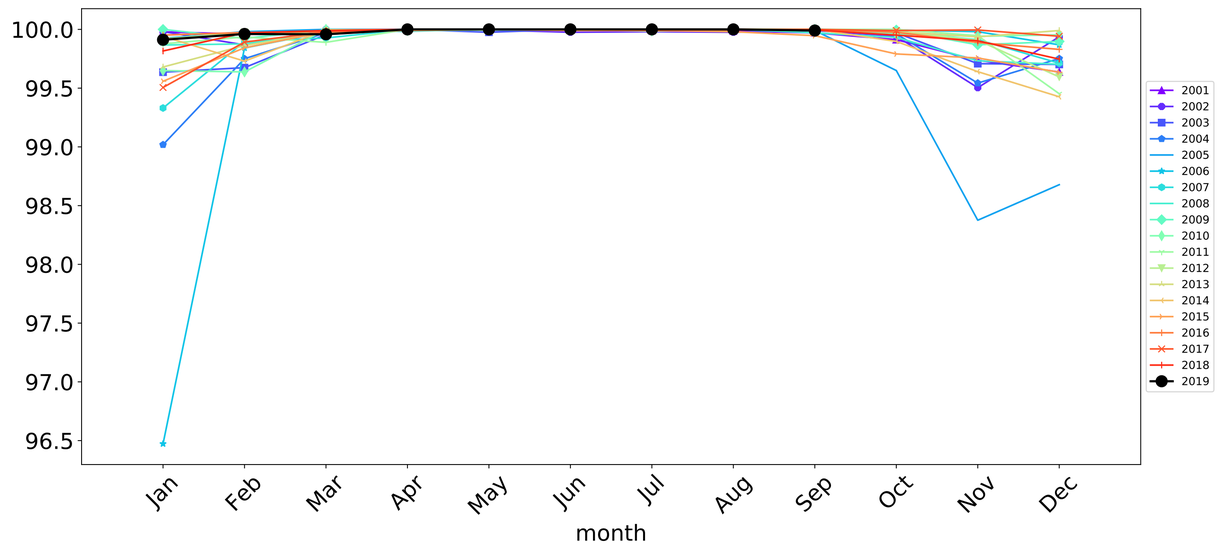


Grazing non forest timeseries

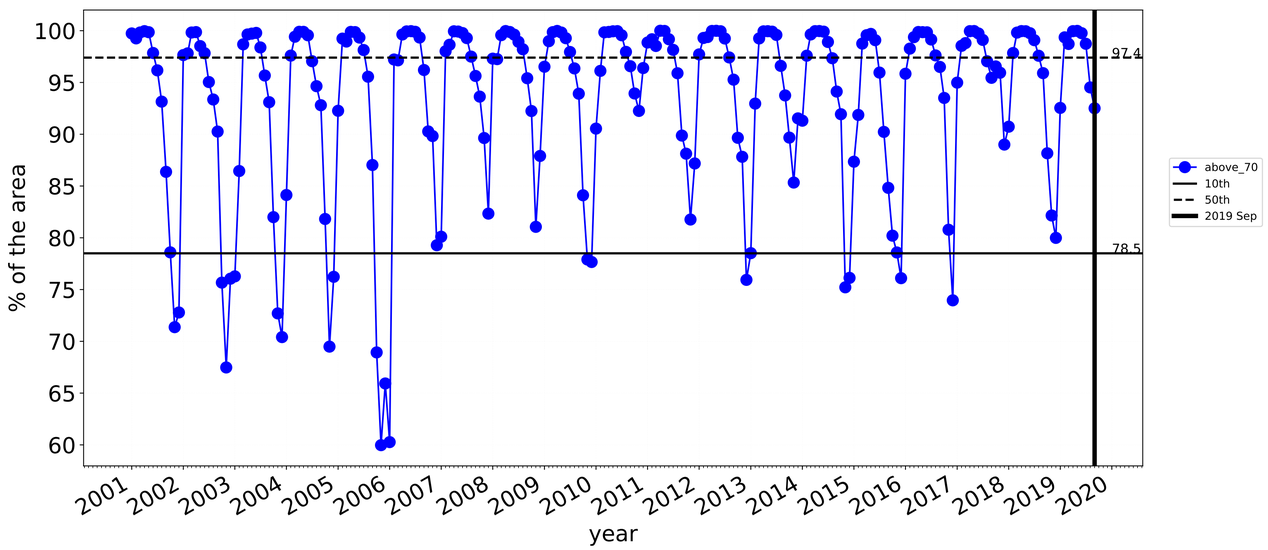
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



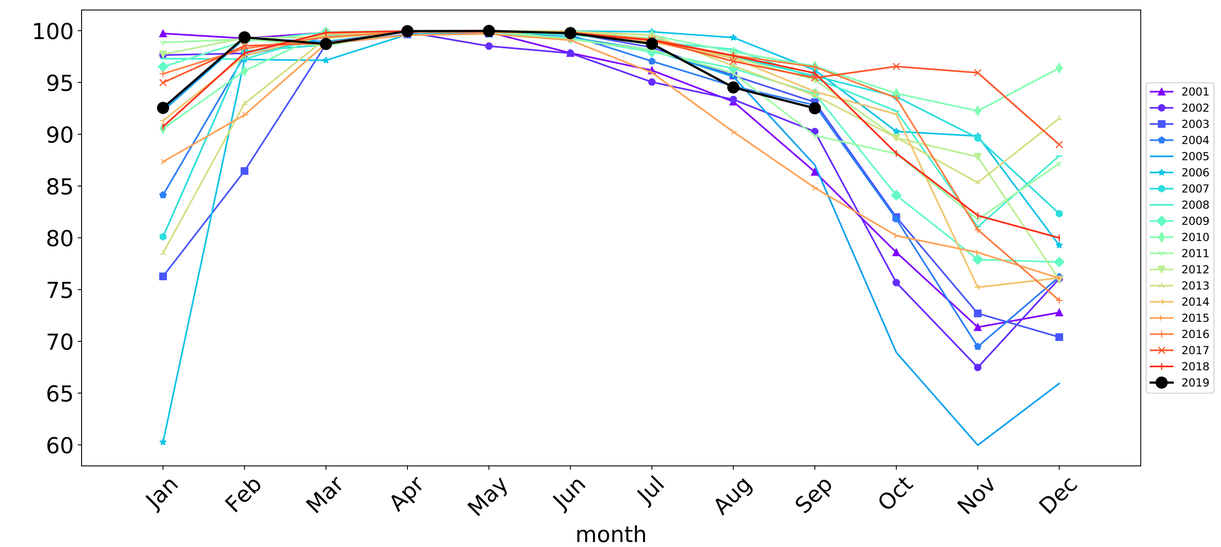
Wind erosion historical monthly area protected (Total Veg Cov >50%)

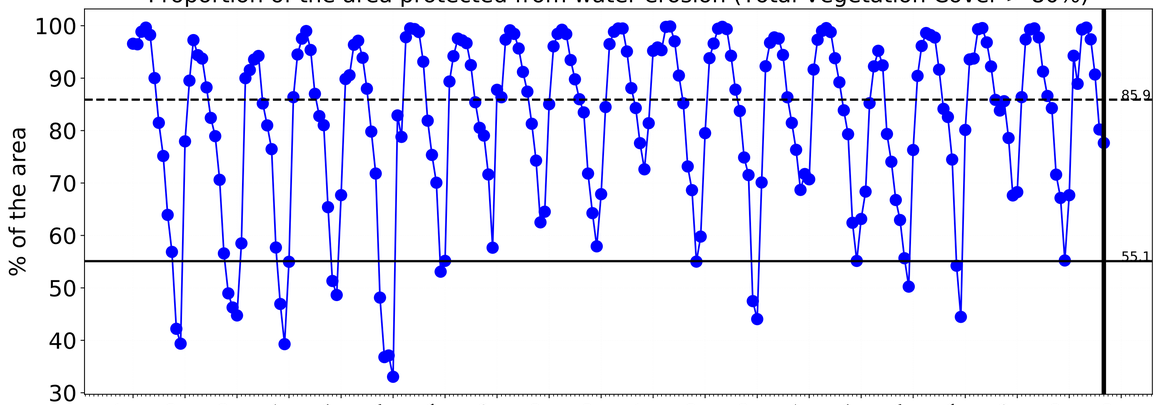


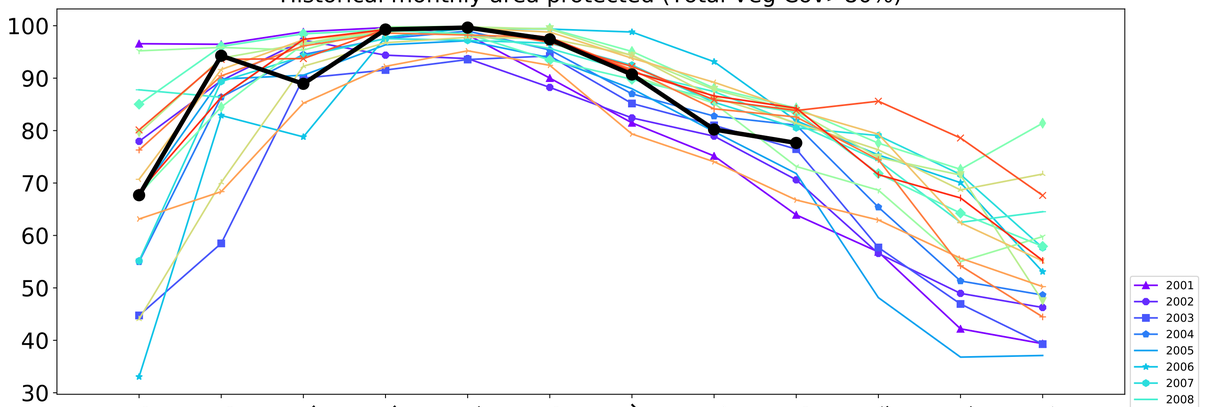
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
85.9
55.1
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
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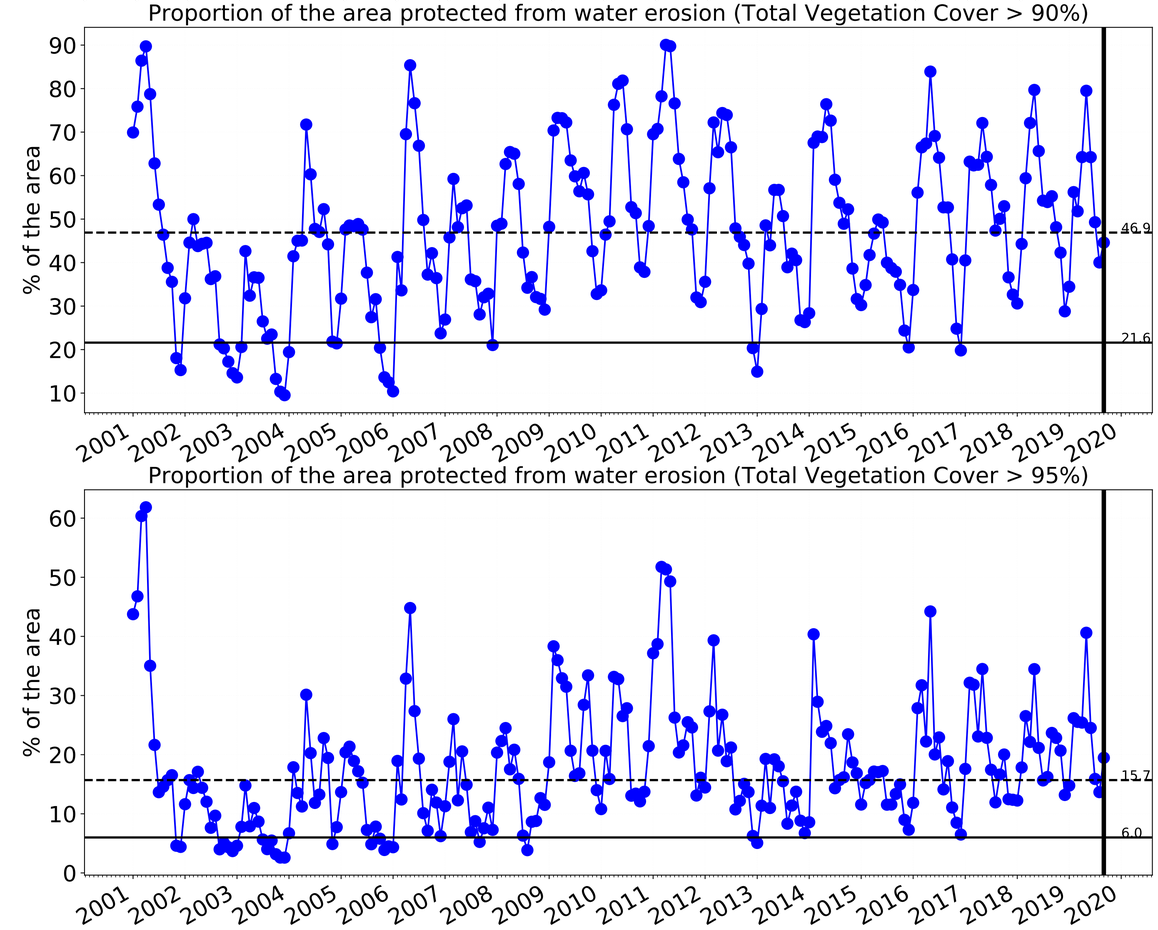
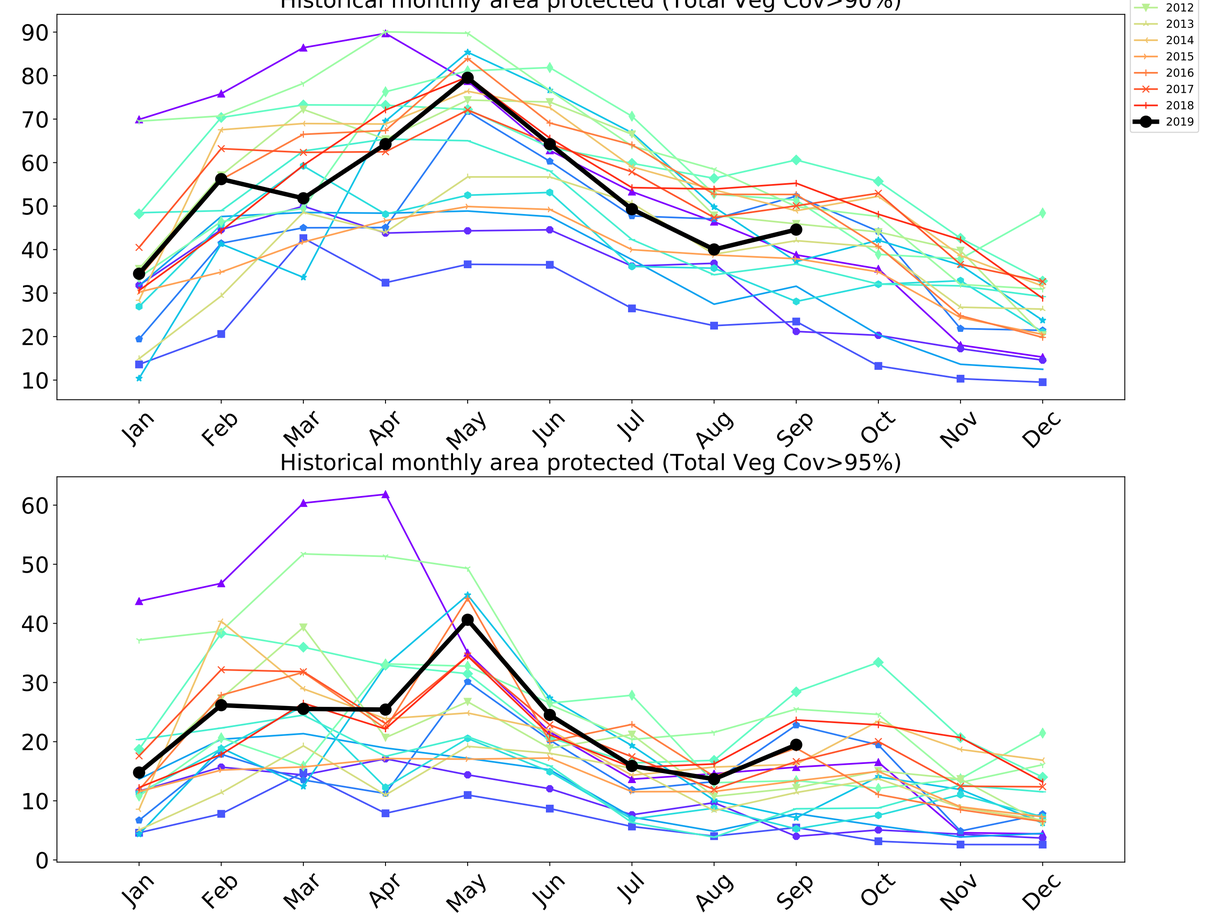

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
46.9
21.6
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
15.7
6.0
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
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2001
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2014
2015
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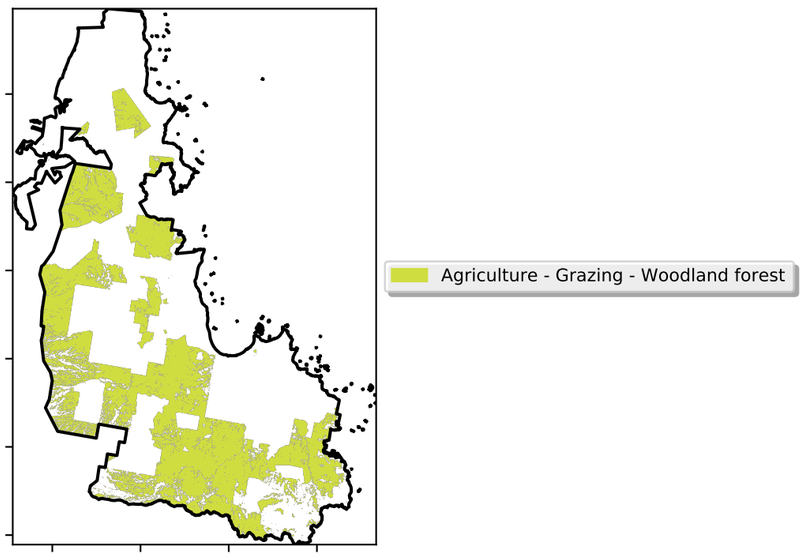
2019

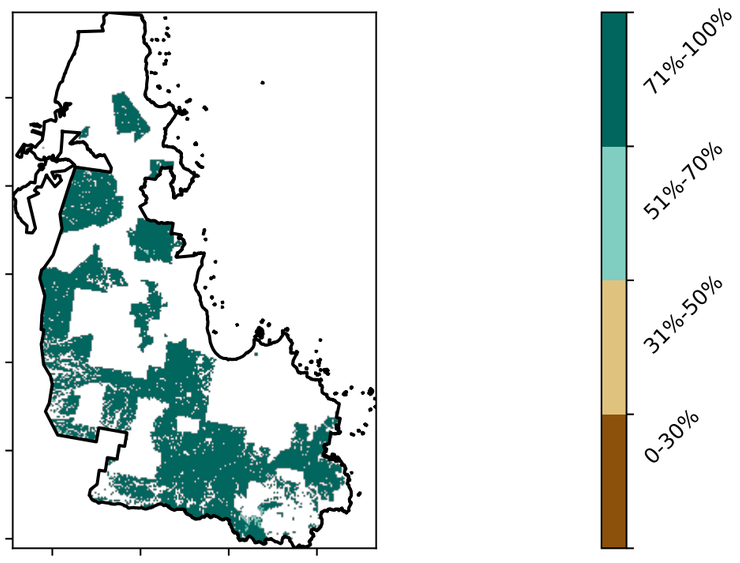
Grazing Woodland forest

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

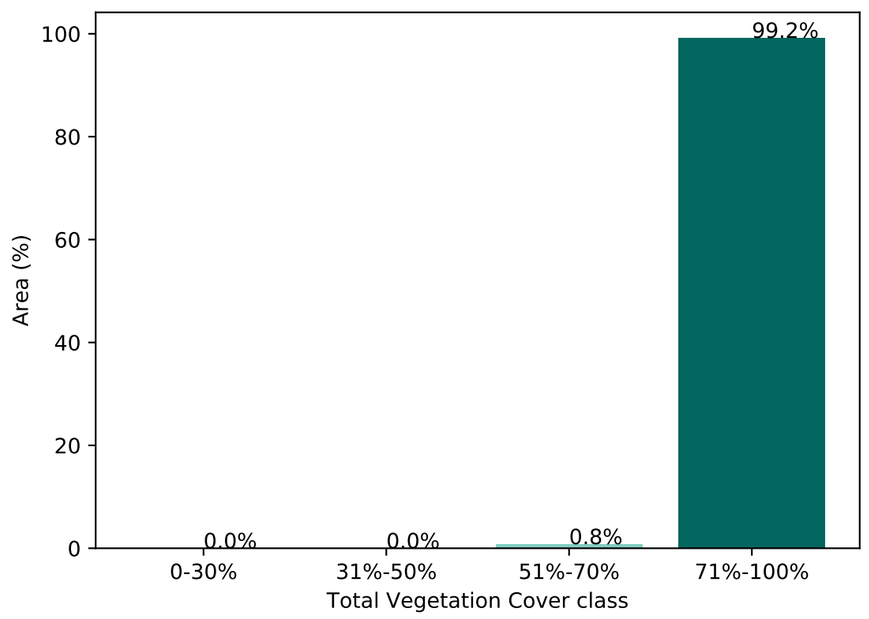
Land use and forest cover



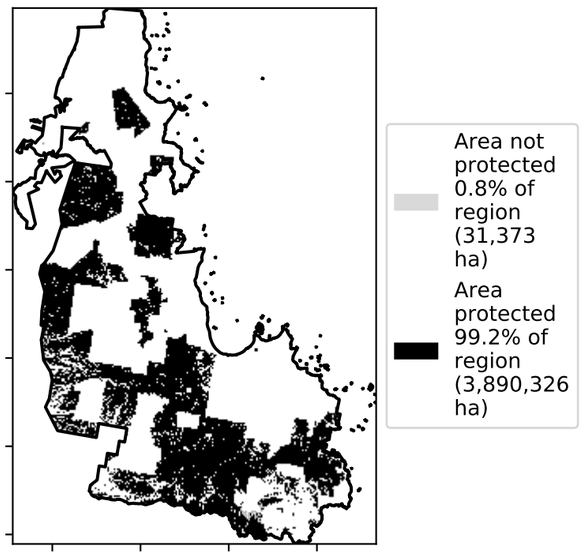
Total Vegetation Cover [%]



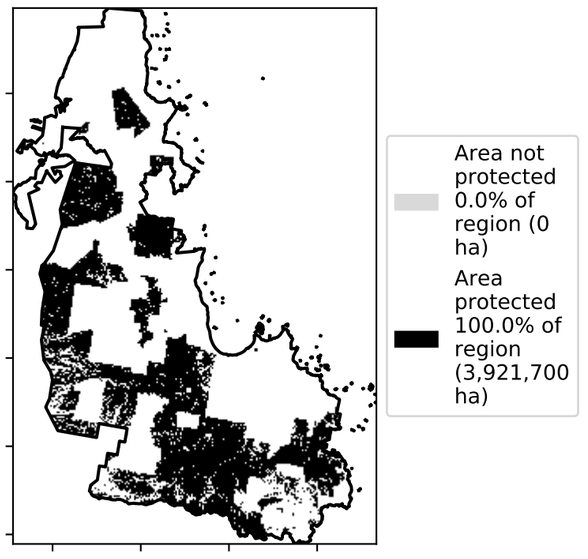
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

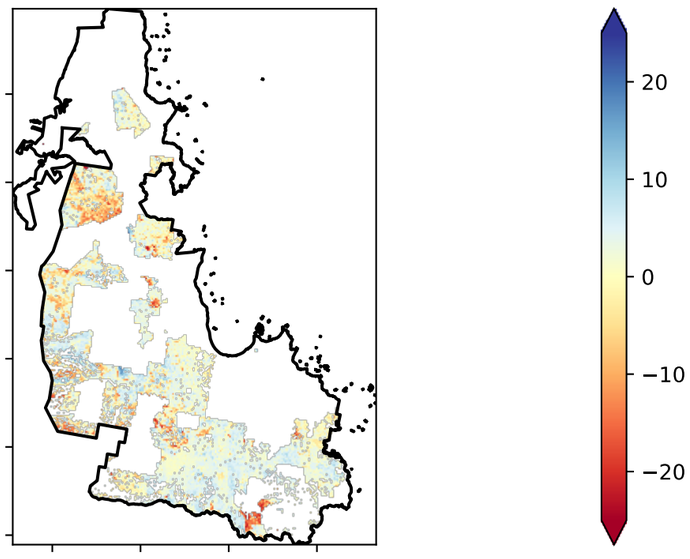


% Area protected from wind erosion (>50%)



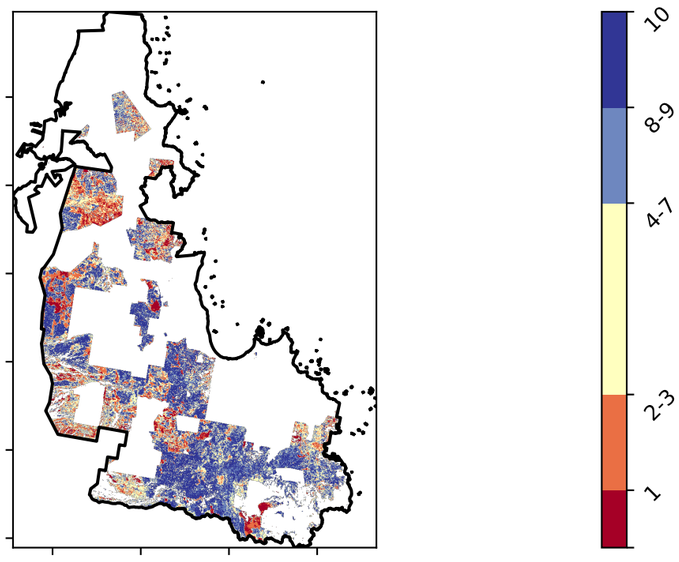
Total Vegetation Cover Anomaly [%]

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.



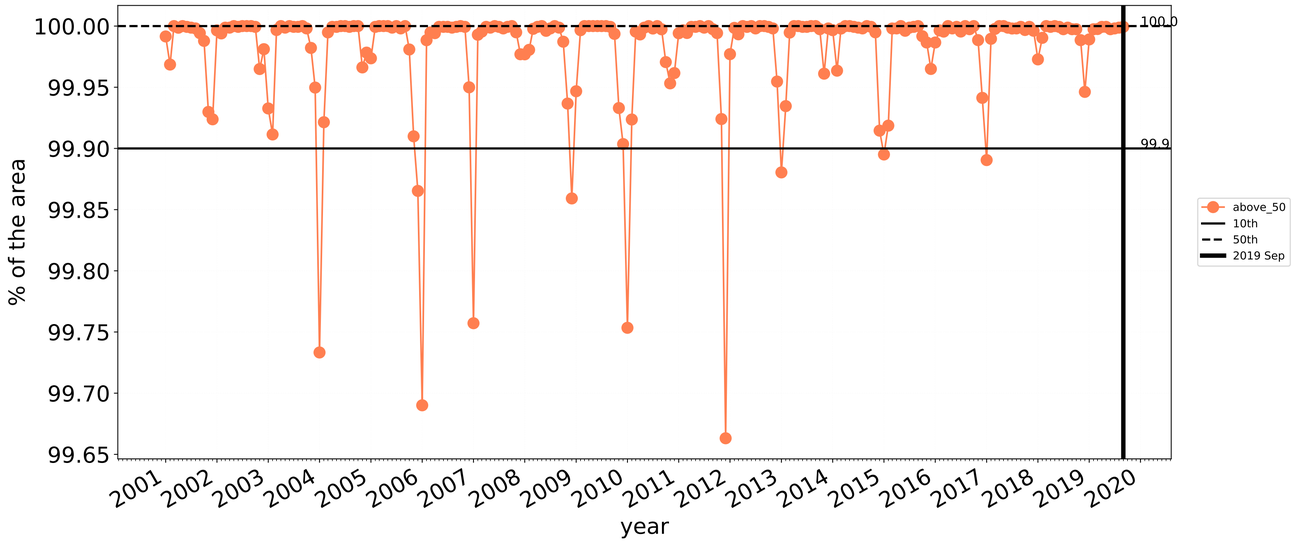
Total Vegetation Cover Decile [%]

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.

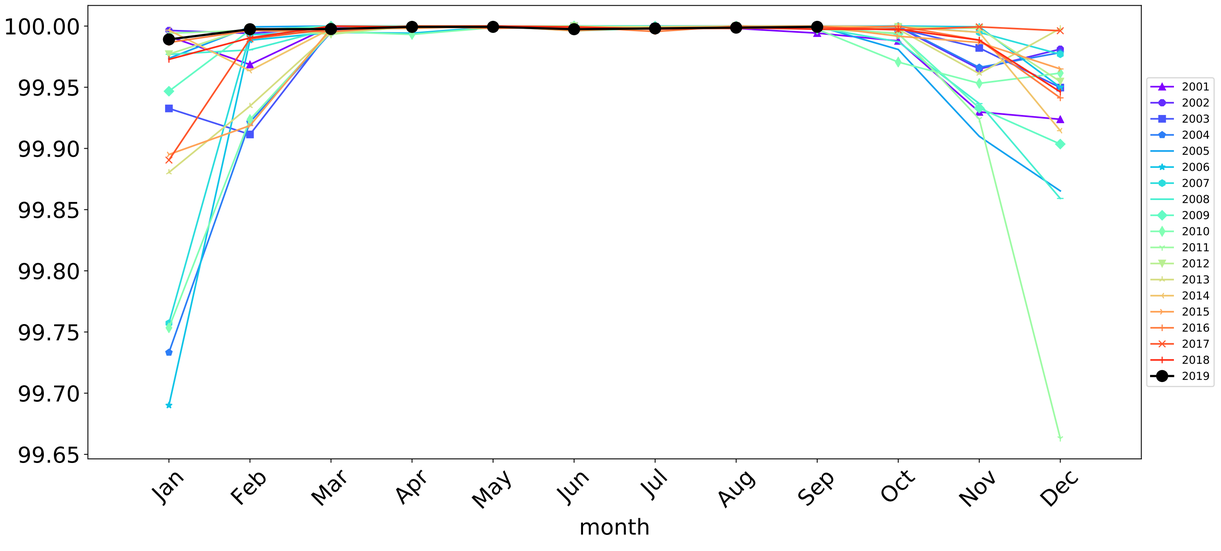


Grazing Woodland forest timeseries

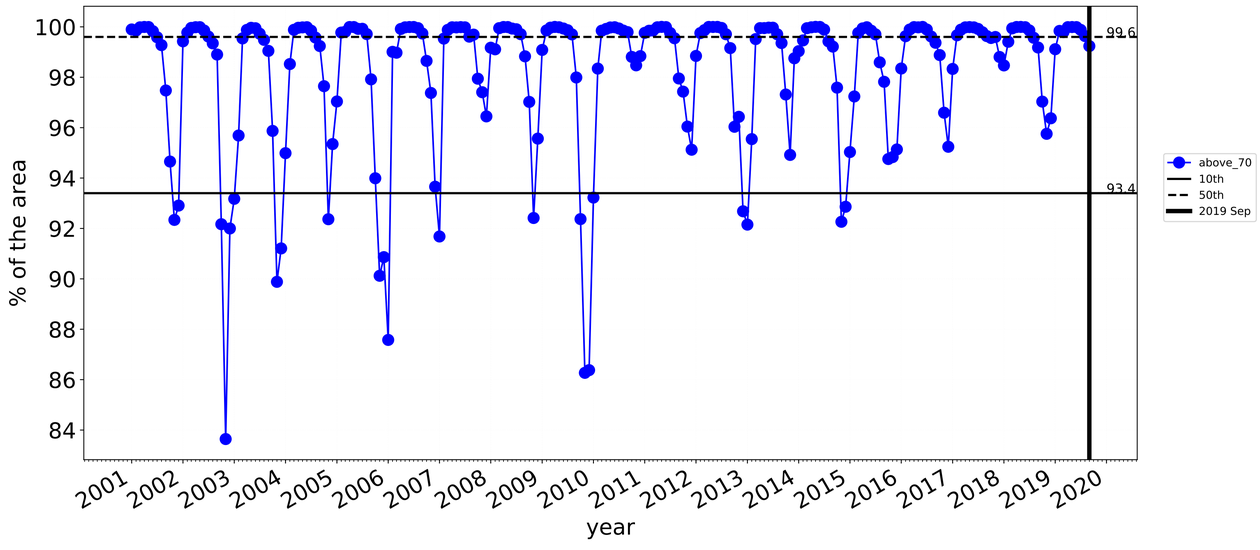
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



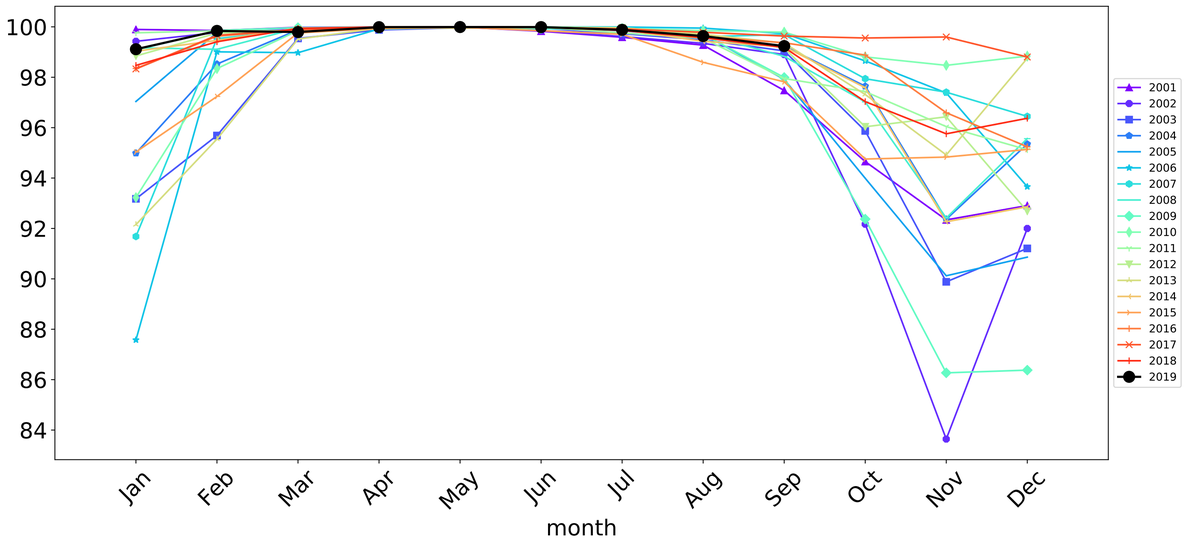
Wind erosion historical monthly area protected (Total Veg Cov >50%)

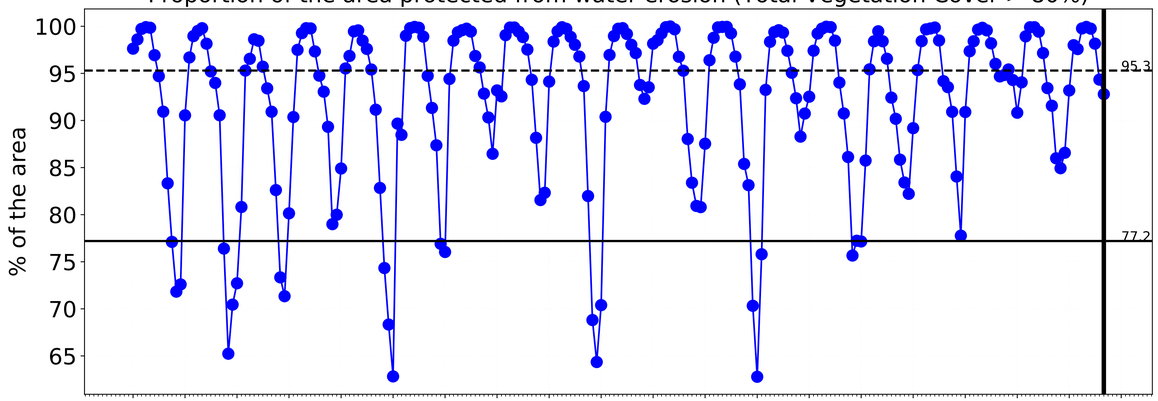


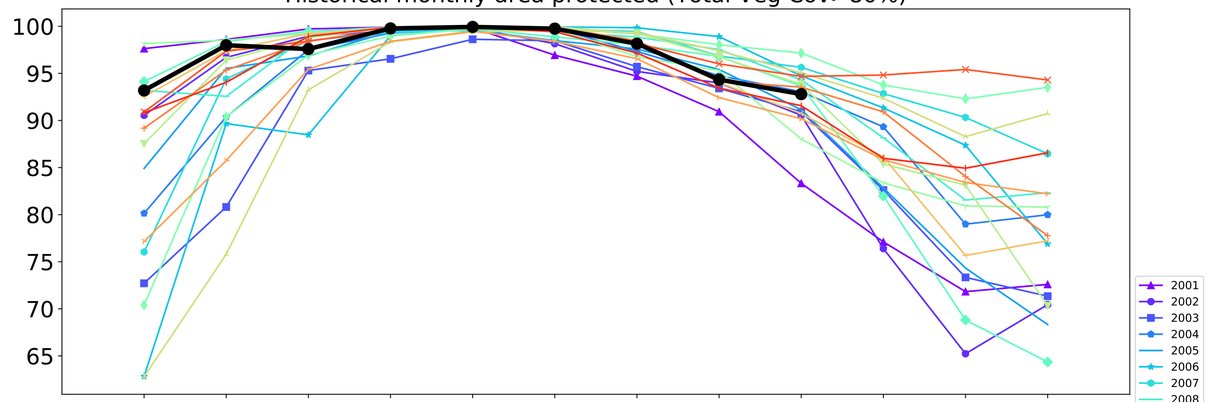
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
95.3
77.2
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Jan
Feb
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Apr
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2001
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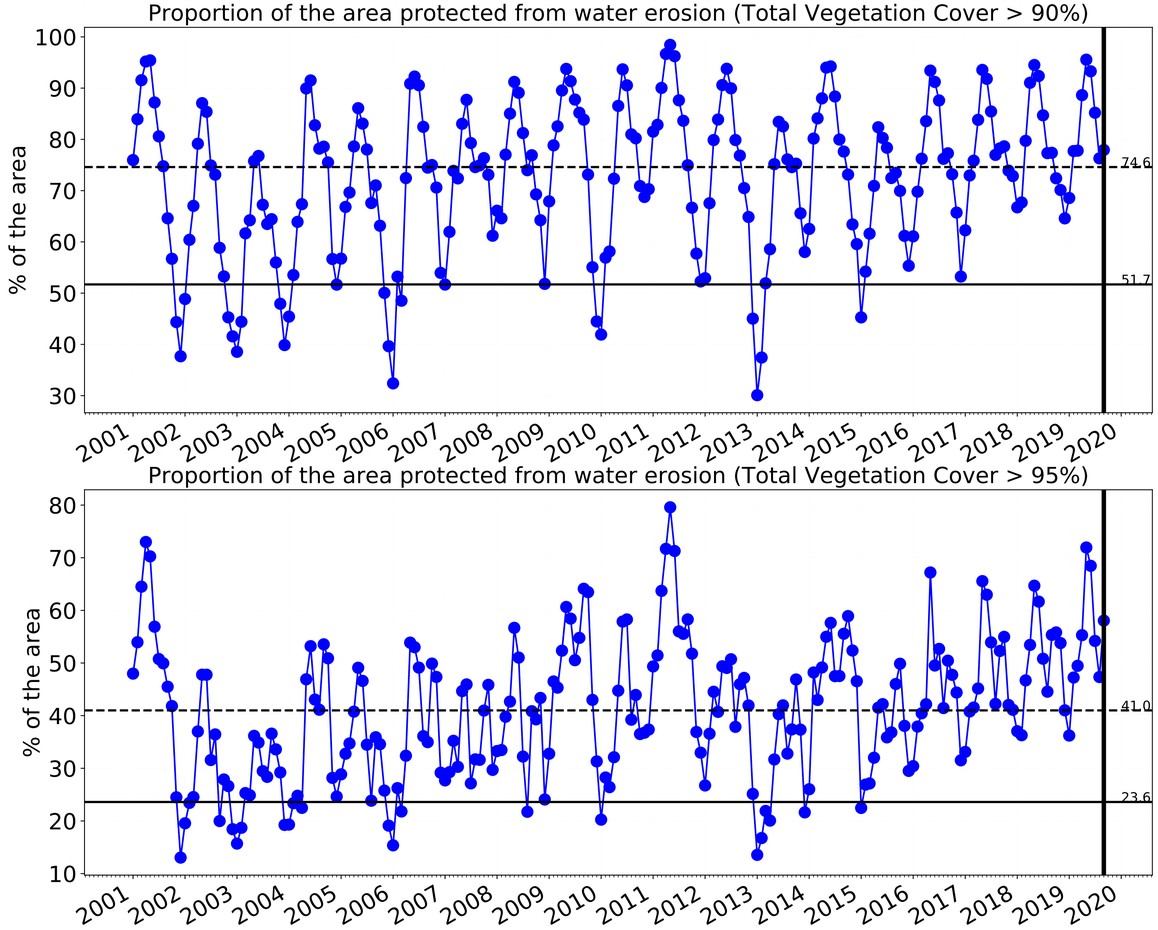
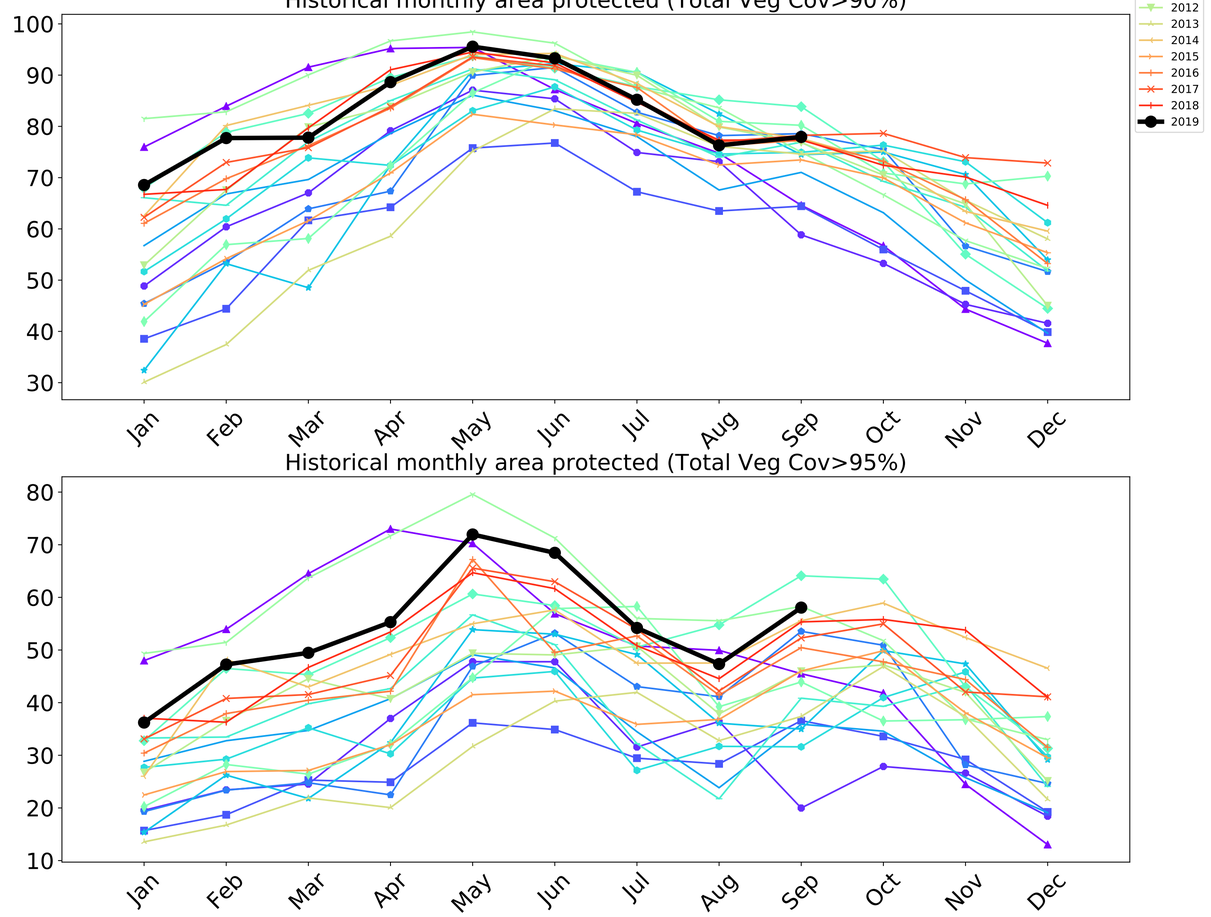
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019


Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
74.6
51.7
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
41.0
23.6
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
Jan
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2014
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2016
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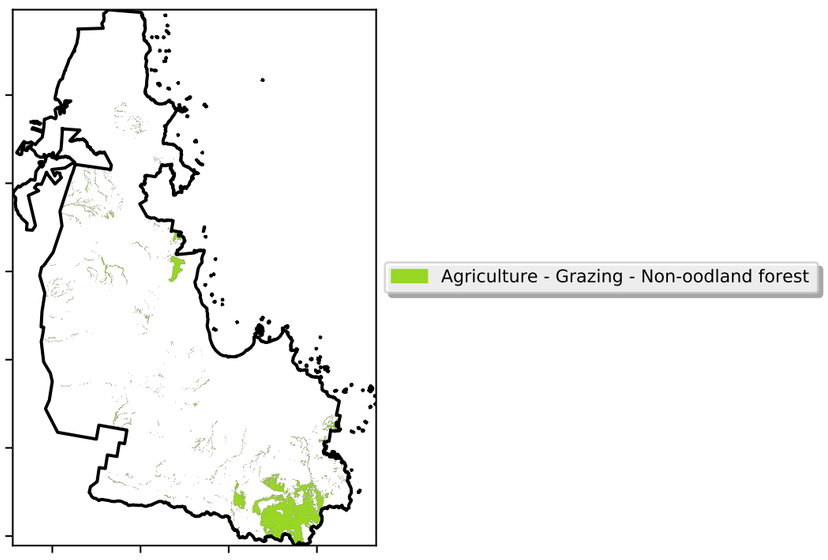
2018
2019

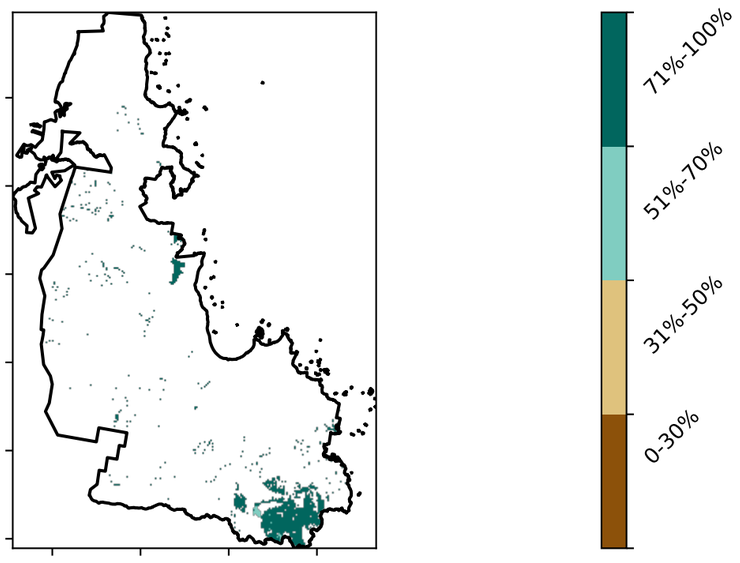
Grazing – Forest (non woodland)

Landuse map of area based on 2015 catchment scale landuse and Australia's National Forest Inventory, where no forest is < 20% tree cover, sparse is 20 to 50% and dense > 50% tree cover.

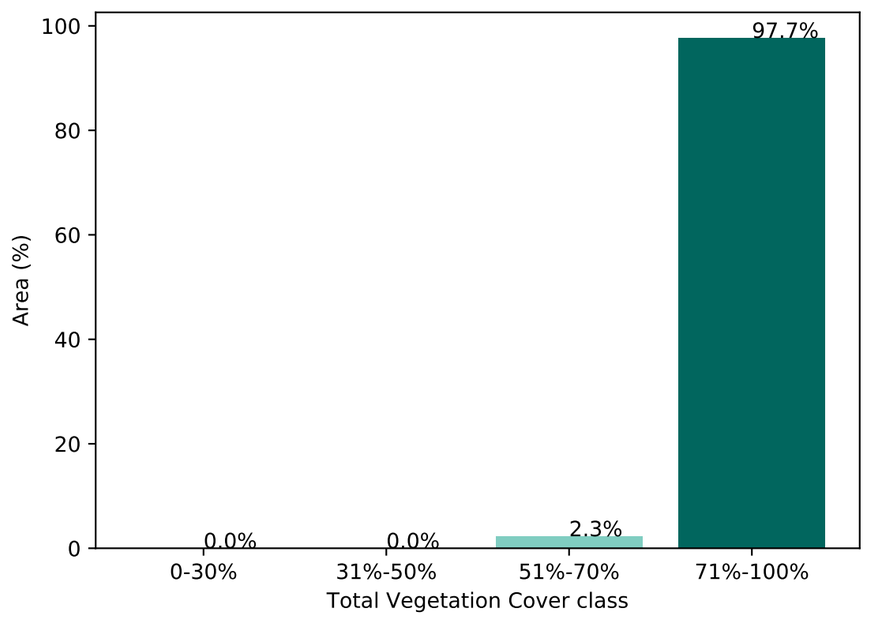
Land use and forest cover



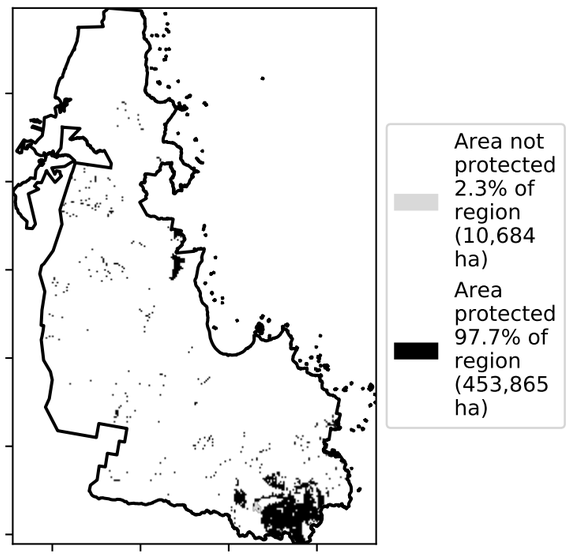
Total Vegetation Cover [%]



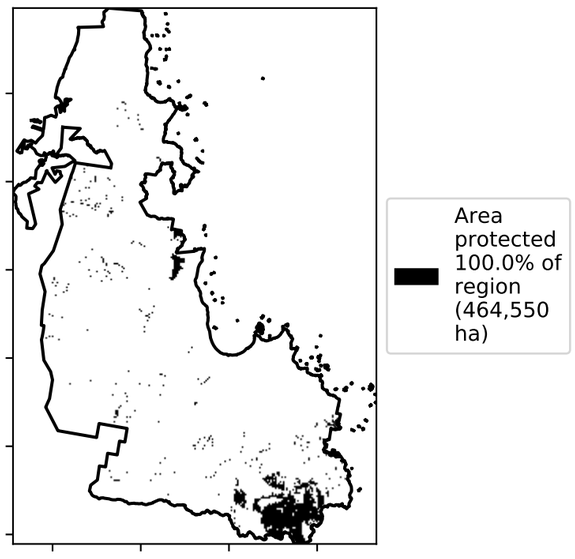
Proportion of vegetation cover class in area



% Area protected from water erosion (>70%)

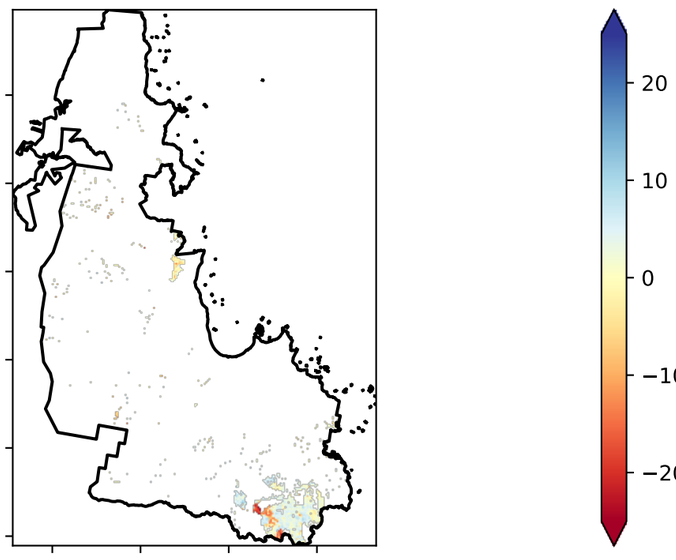


% Area protected from wind erosion (>50%)



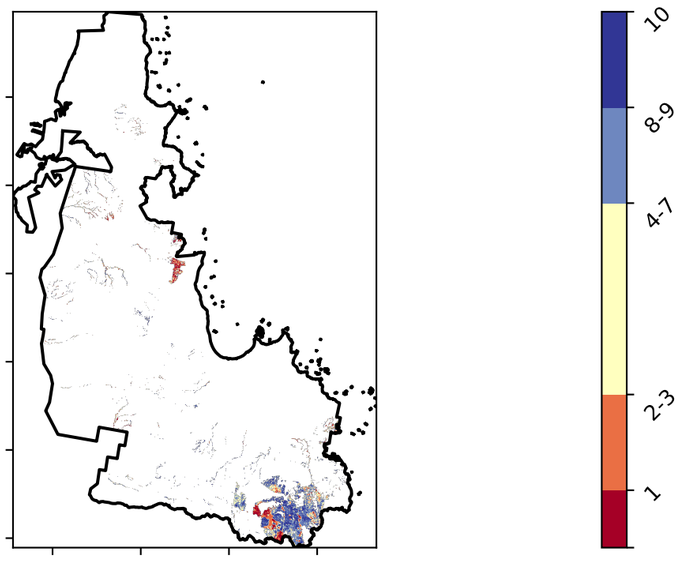
Total Vegetation Cover Anomaly [%]

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.



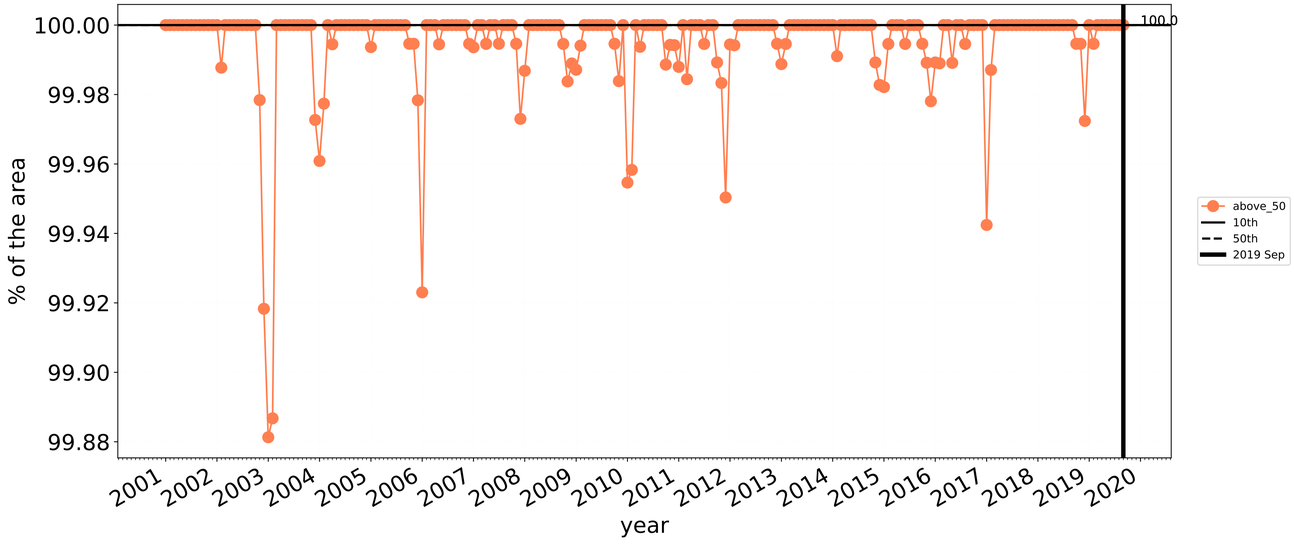
Total Vegetation Cover Decile [%]

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.

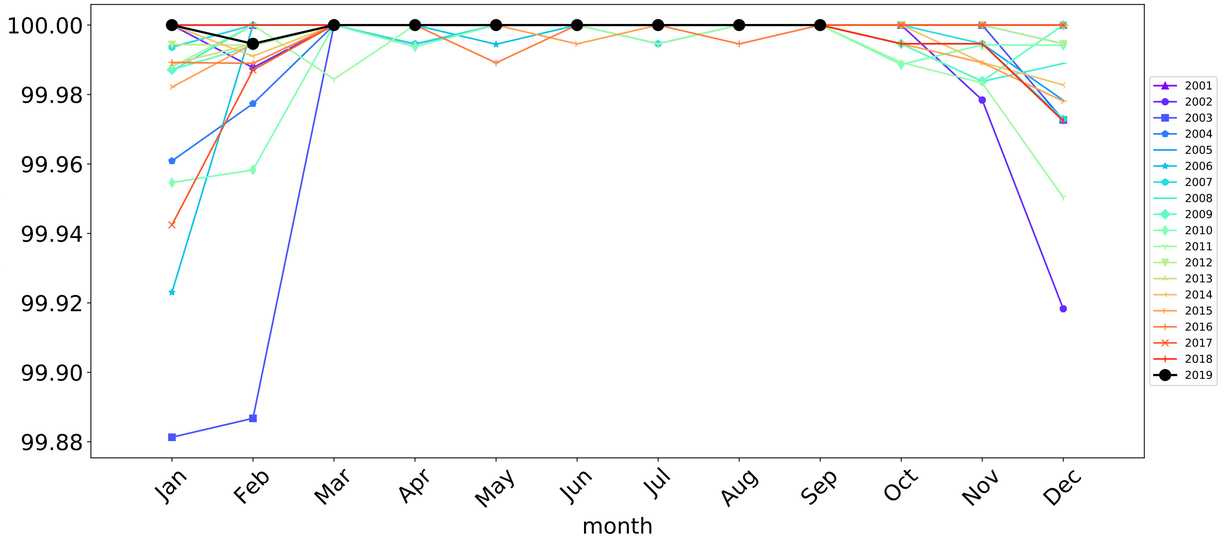


Grazing – Forest (non woodland) timeseries

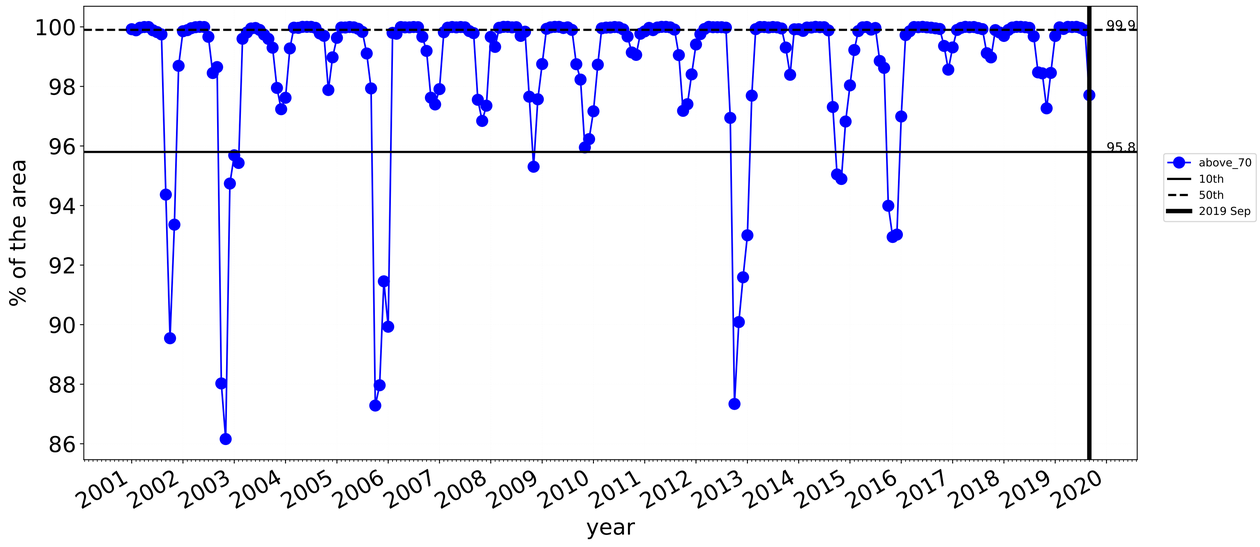
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



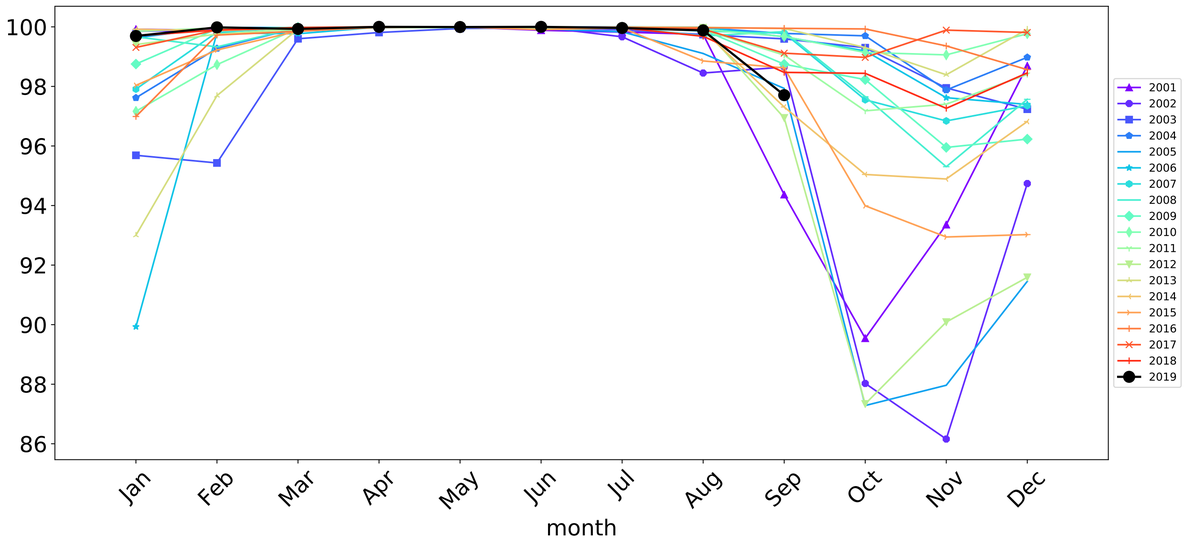
Wind erosion historical monthly area protected (Total Veg Cov >50%)

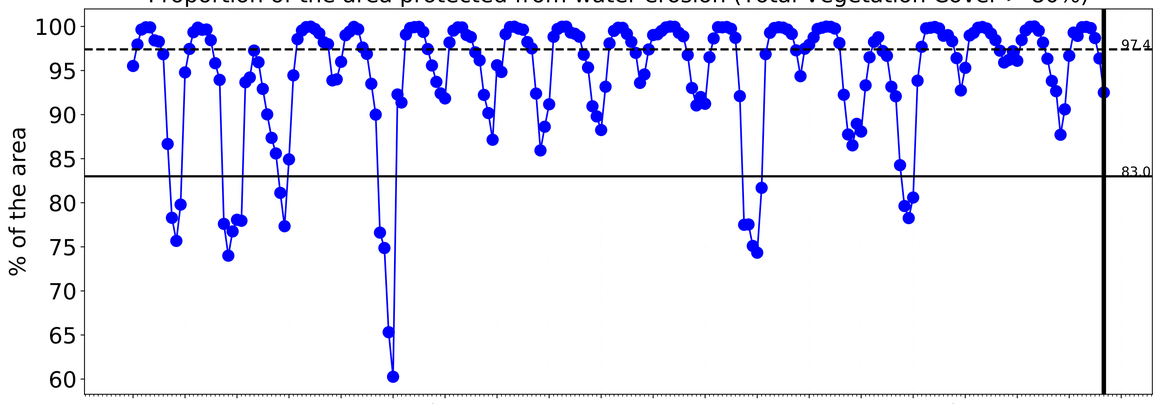


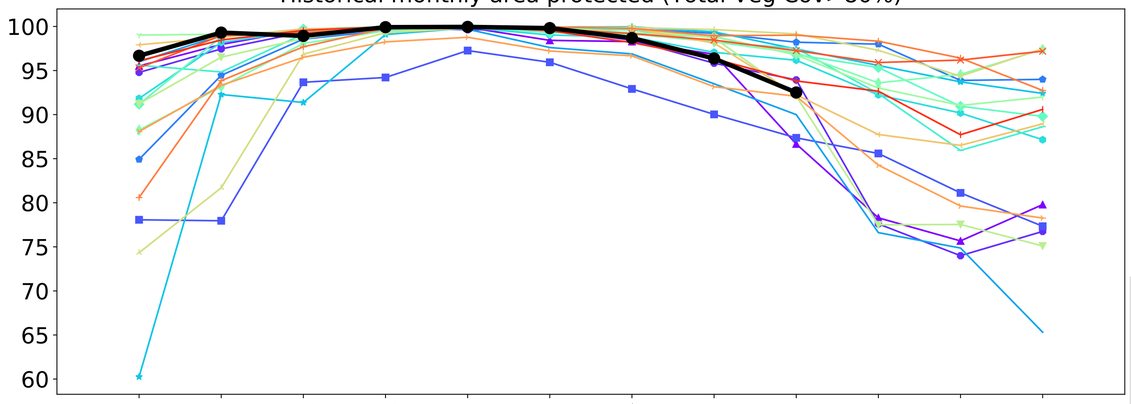
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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




Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)
% of the area
97.4
83.0
above_80
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>80%)
Jan
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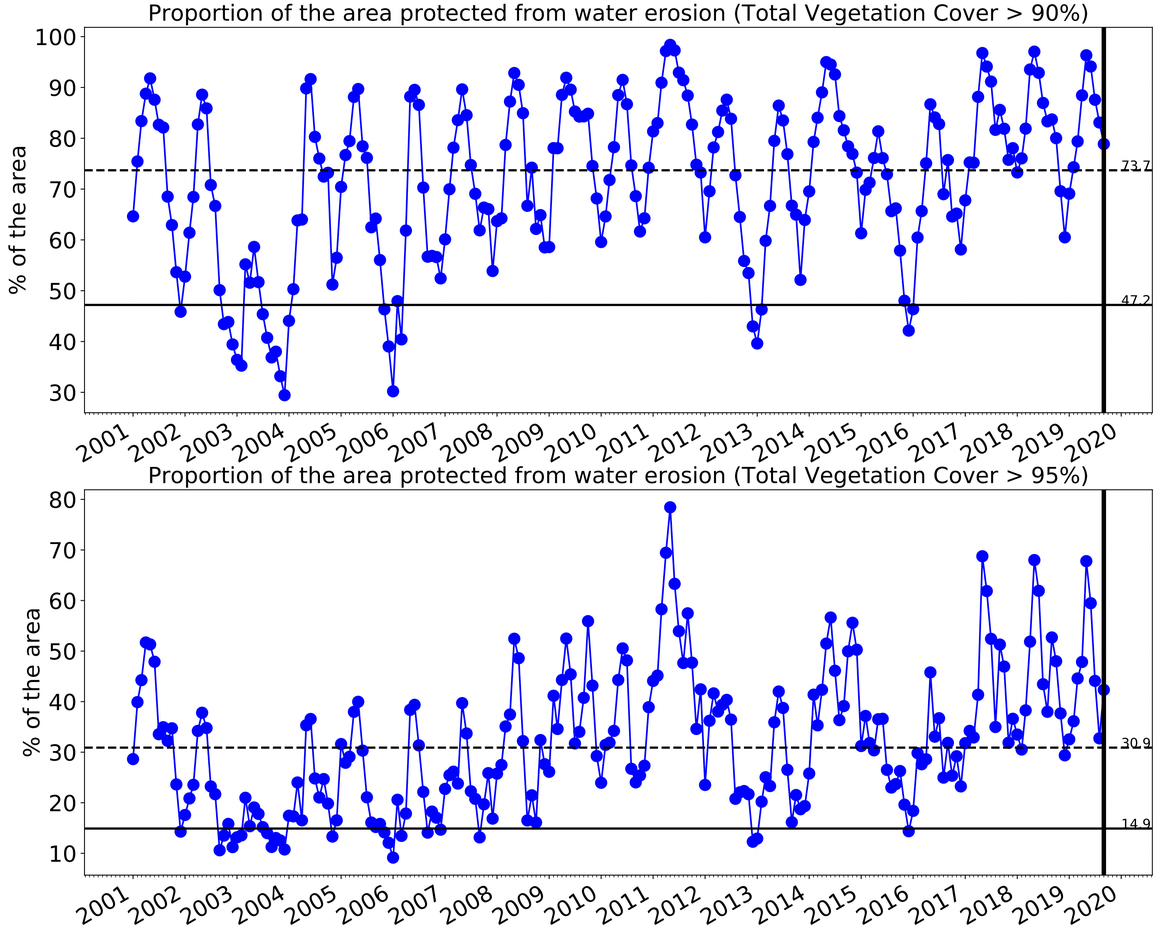
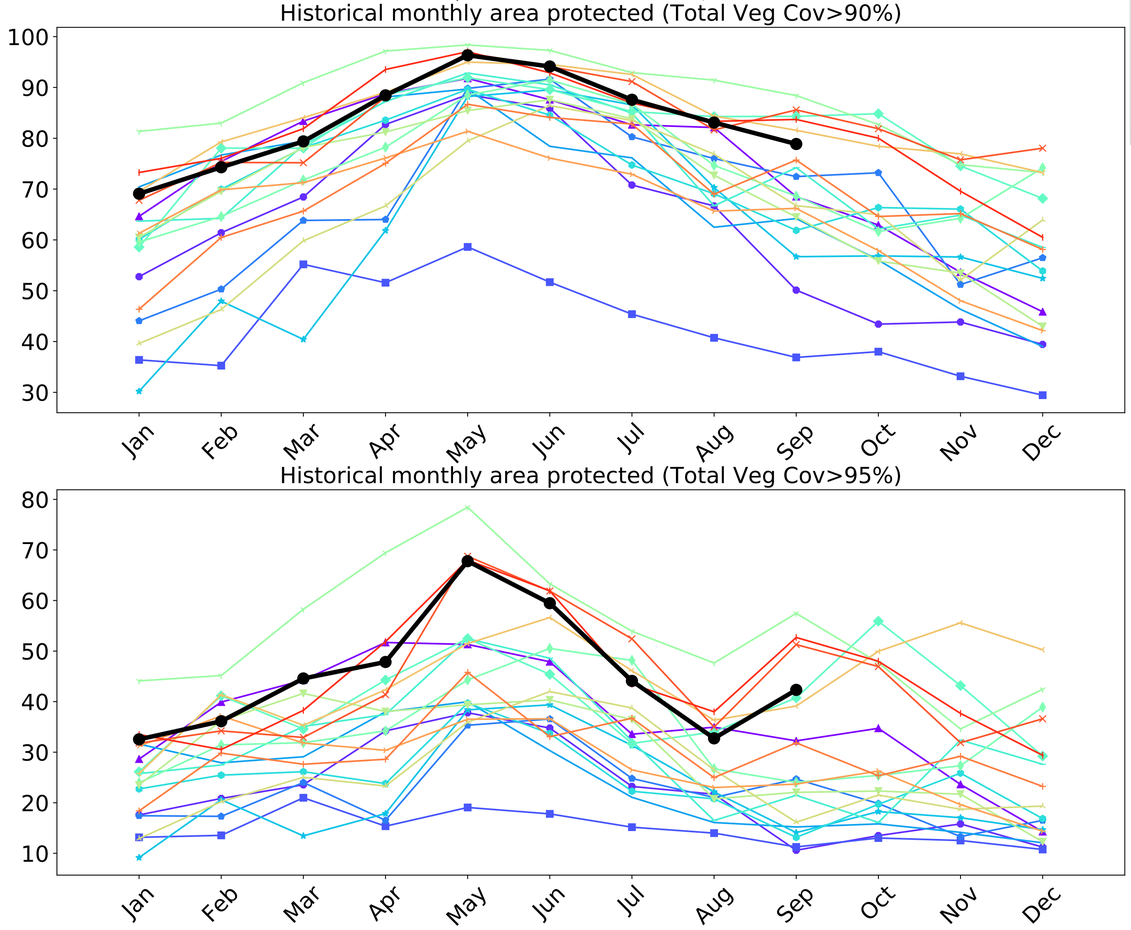

Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)
% of the area
73.7
47.2
above_90
10th
50th
2019 Sep
Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)
% of the area
30.9
14.9
above_95
10th
50th
2019 Sep


Historical monthly area protected (Total Veg Cov>90%)
Historical monthly area protected (Total Veg Cov>95%)
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Cook_(S) (10,525,400 ha and no data 46,482 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	10,525,400	100.0% 10,524,275	99.9% 10,519,925	98.7% 10,385,275	91.6% 9,645,925	73.2% 7,702,800	48.6% 5,112,475
Conservation and natural environments	5,452,157	100.0% 5,451,379	99.9% 5,448,119	99.1% 5,400,500	92.4% 5,040,410	72.9% 3,976,790	46.0% 2,507,215
Conservation and natural environments non forest	494,693	99.9% 494,409	99.8% 493,557	95.9% 474,452	81.8% 404,538	51.5% 254,898	23.4% 115,689
Conservation and natural environments Woodland forest	4,346,990	100.0% 4,346,840	100.0% 4,345,242	99.4% 4,321,950	93.3% 4,054,258	75.2% 3,269,229	50.4% 2,191,444
Conservation and natural environments Forest (non woodland)	610,473	99.9% 610,119	99.8% 609,284	98.9% 603,568	95.0% 580,072	73.6% 449,211	32.0% 195,279
Agriculture	4,894,311	100.0% 4,894,311	100.0% 4,894,236	98.4% 4,815,250	91.2% 4,462,508	74.5% 3,646,224	52.5% 2,568,301
Grazing	4,883,785	100.0% 4,883,785	100.0% 4,883,710	98.4% 4,804,955	91.2% 4,453,009	74.5% 3,639,768	52.5% 2,564,822
Grazing non forest	515,744	100.0% 515,744	100.0% 515,694	92.5% 477,107	77.6% 400,435	44.6% 229,991	19.5% 100,441
Grazing Woodland forest	3,904,923	100.0% 3,904,923	100.0% 3,904,898	99.2% 3,875,126	92.8% 3,623,656	77.9% 3,043,424	58.1% 2,267,084
Grazing – Forest (non woodland)	463,117	100.0% 463,117	100.0% 463,117	97.7% 452,500	92.5% 428,424	78.9% 365,270	42.3% 196,018