

# Total vegetation cover soil protection

Region:LGA Glenelg\_(S) VIC

Date: October 2021

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:

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>



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Ecosystem Research Infrastructure



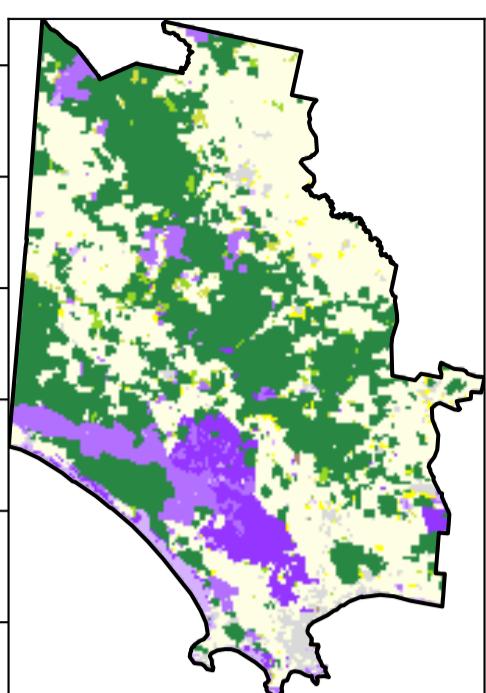
National  
Landcare  
Programme



# Vegetation Cover Oct 2021

**Land use and forest cover**

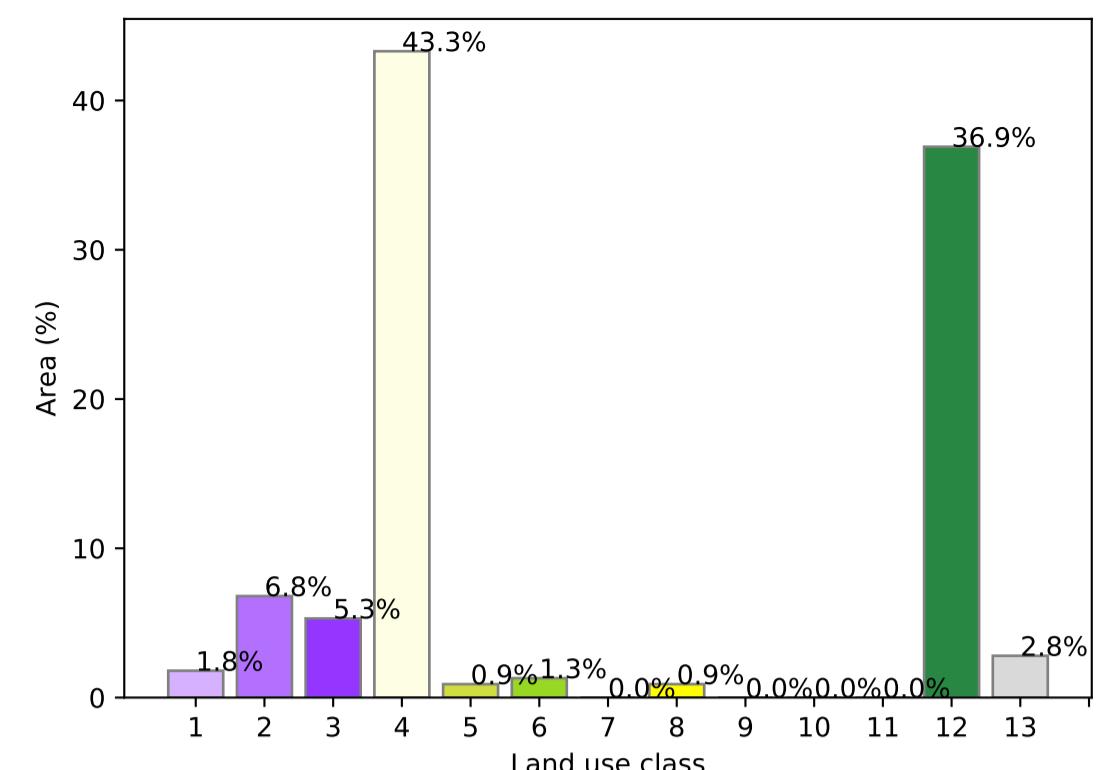
Catchment Scale  
Land Use and Forests  
of Australia (2018)  
Derived from  
Catchment Scale Land  
Use of Australia  
(2018) and Forests  
of Australia (2018)



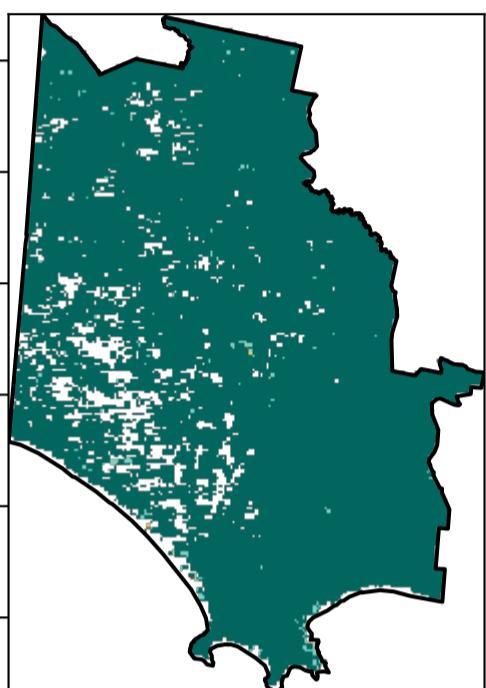
Legend with land class forest cover and number, i.e. Forests is 12

- 1 Conservation and natural environments - Non-forest
- 2 Conservation and natural environments - Woodland forest
- 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 forests
- 13 Other uses

**Proportion of each land class in area**

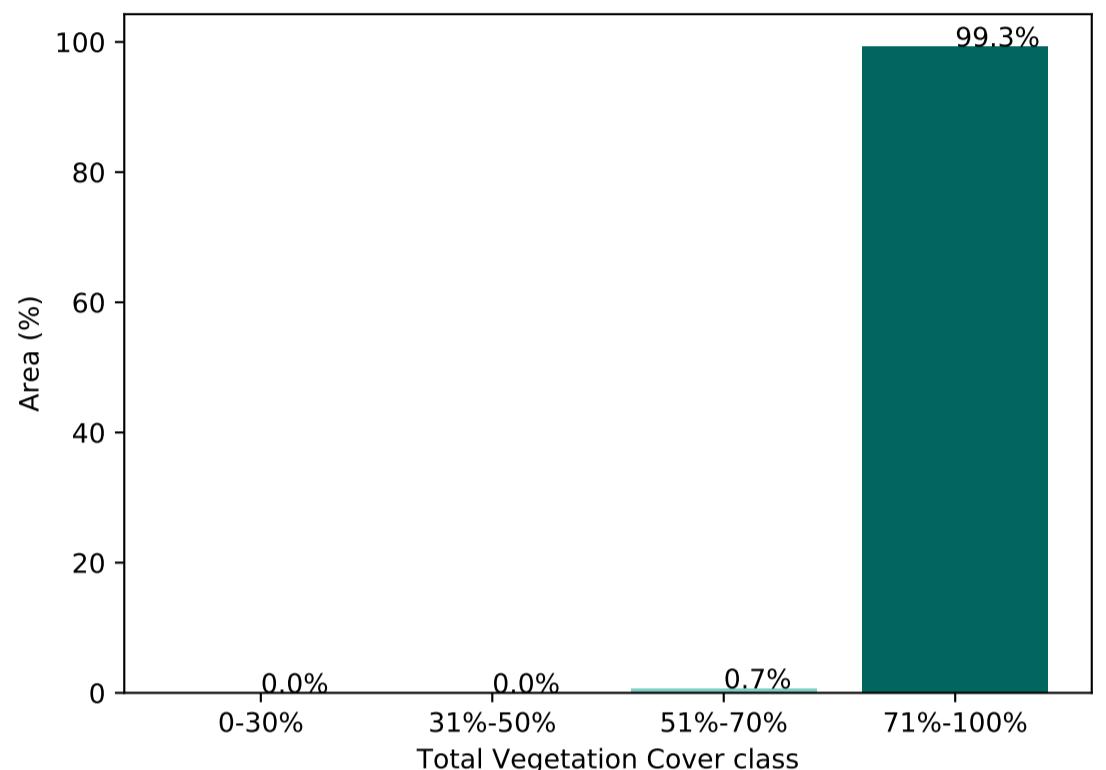


**Total Vegetation Cover [%]**



71%-100%  
51%-70%  
31%-50%  
0-30%

**Proportion of vegetation cover class in area**



**% Area protected from water erosion (>70%)**



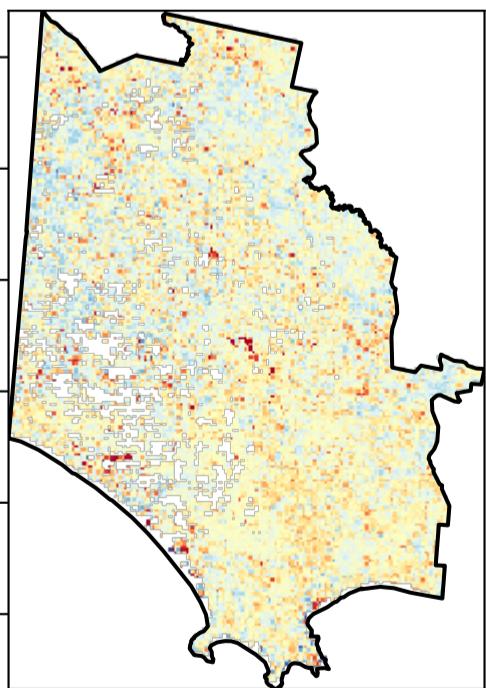
Area not protected  
0.7% of region  
(3,990 ha)  
Area protected  
99.3% of region  
(566,034 ha)

**% Area protected from wind erosion (>50%)**



Area not protected  
0.0% of region (0 ha)  
Area protected  
100.0% of region  
(570,025 ha)

**Total Vegetation Cover Anomaly [%]**

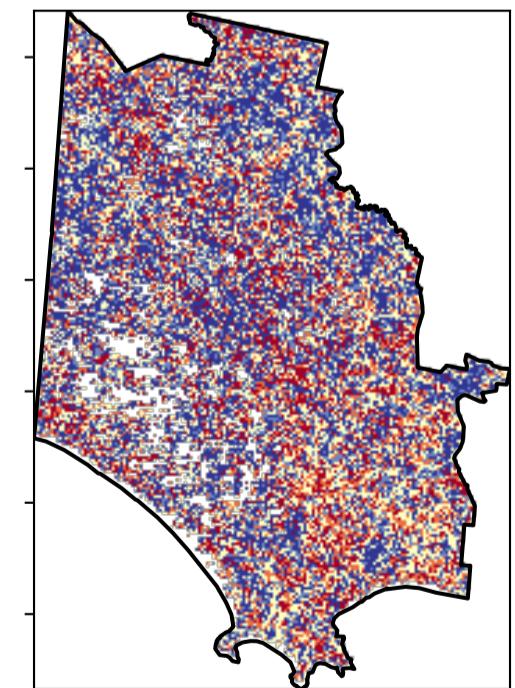


Anomaly shows how many percentage points each pixel is from the mean. That is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map using baseline from 2001 to 2019.

-20  
-10  
0  
10  
20

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 [%]**



1  
2  
3  
4  
5  
6  
7  
8  
9  
10



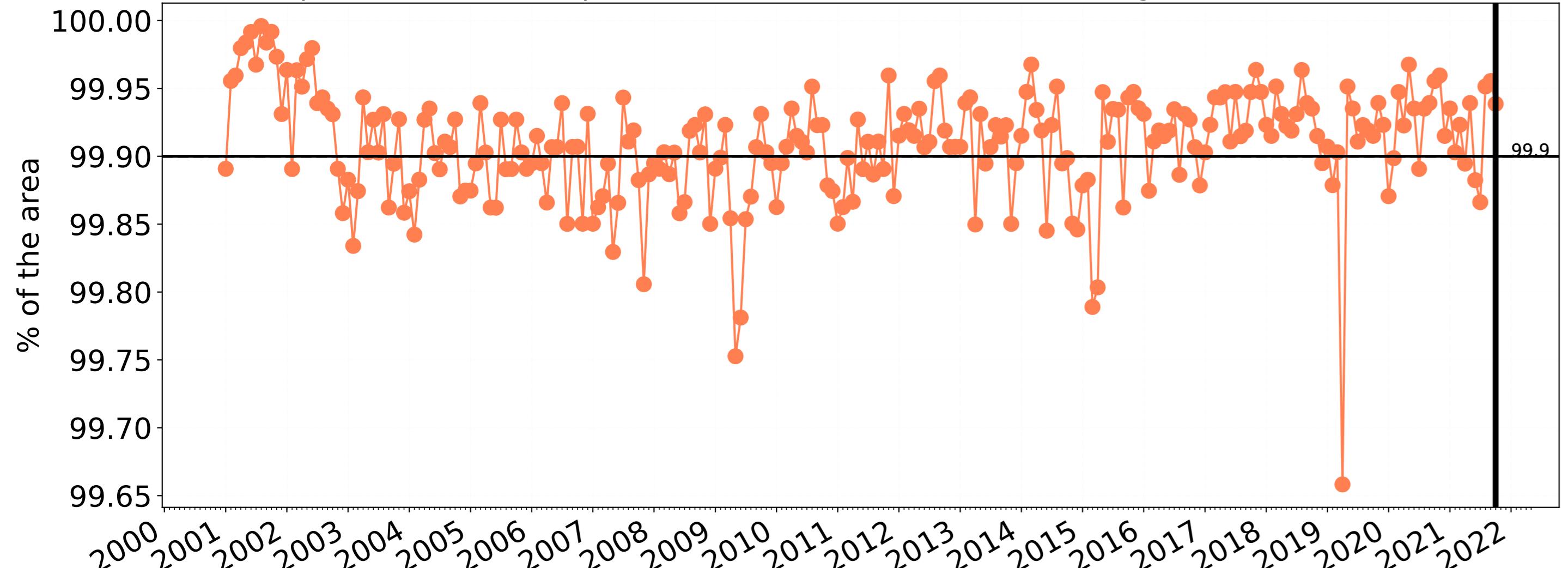
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Ecosystem Research Infrastructure



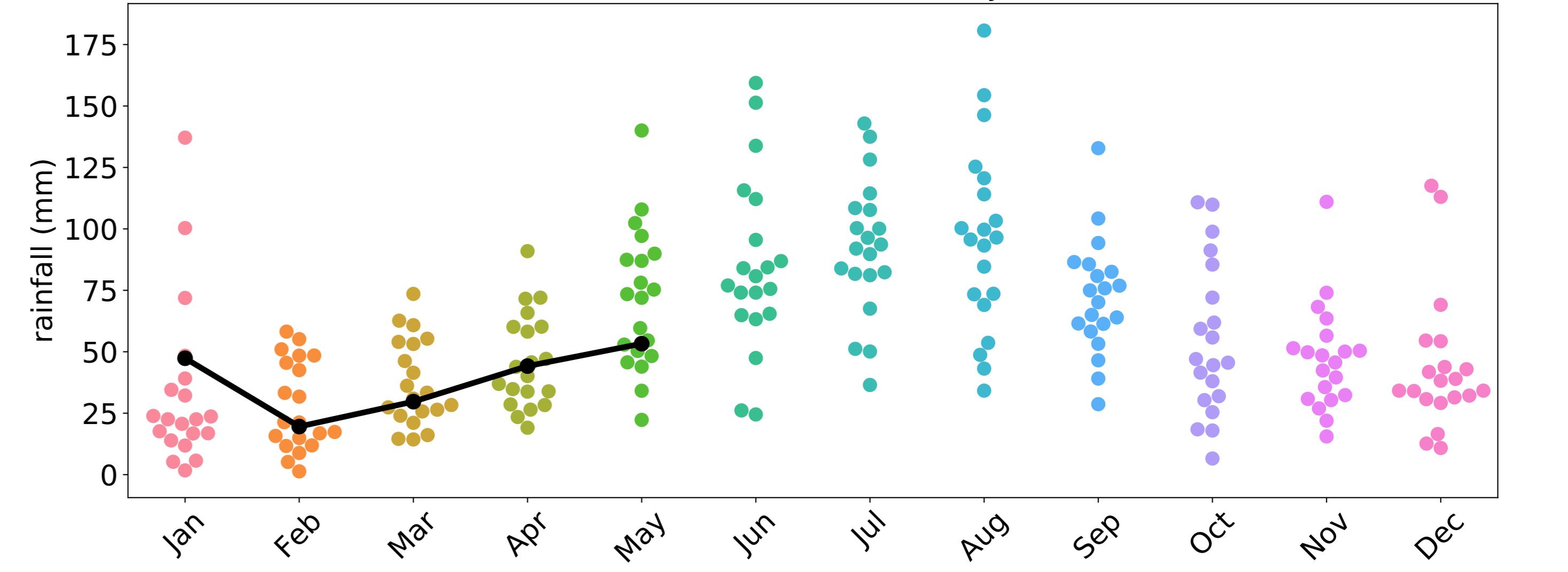
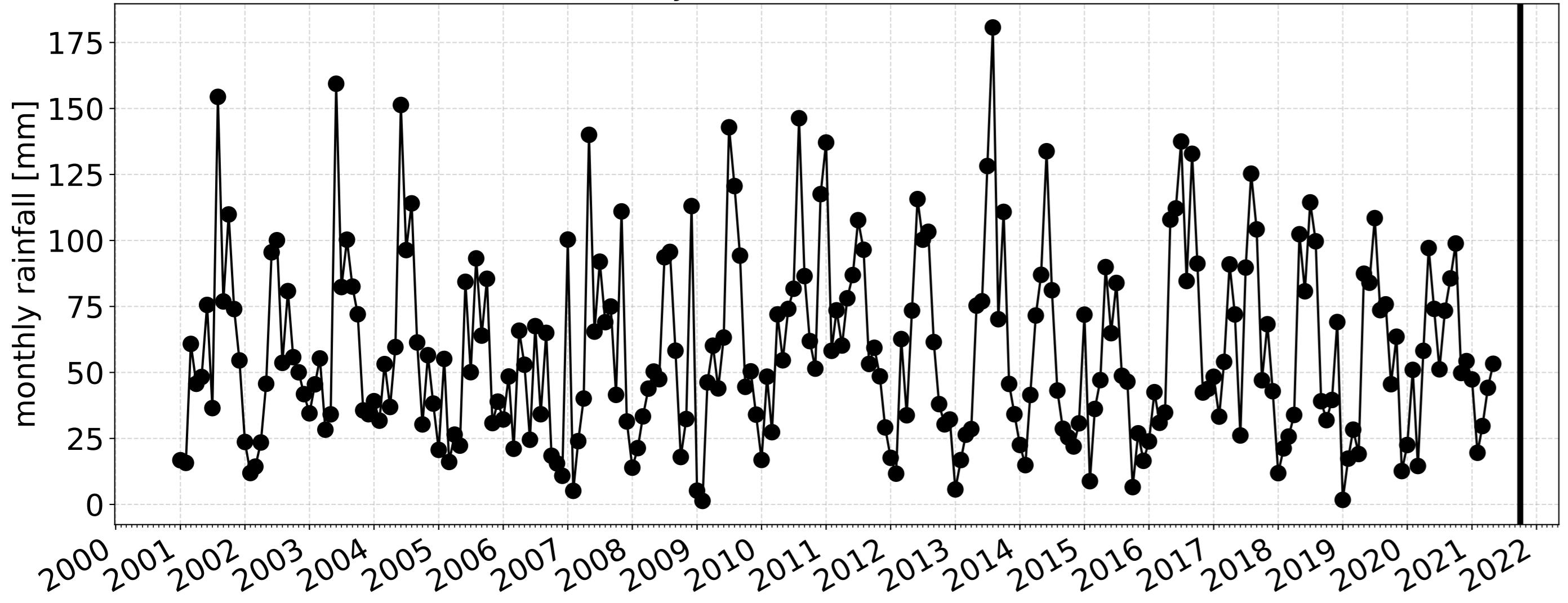
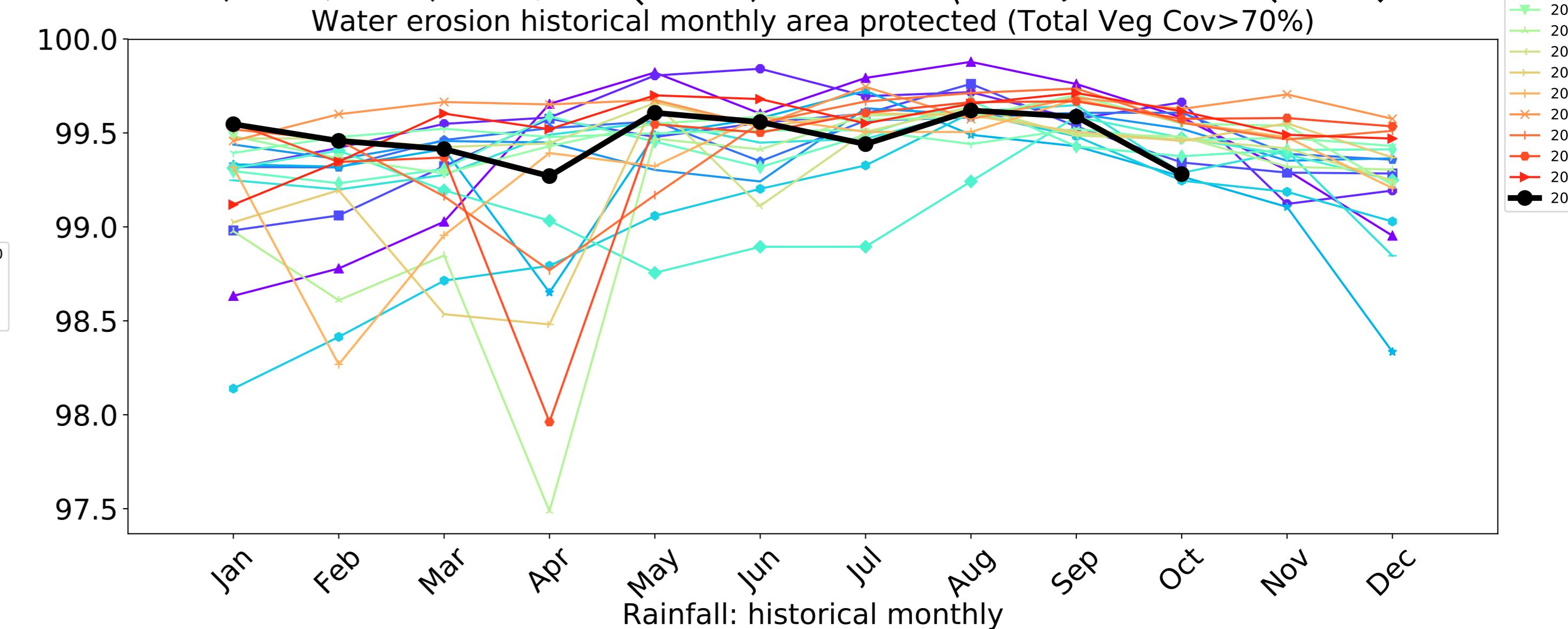
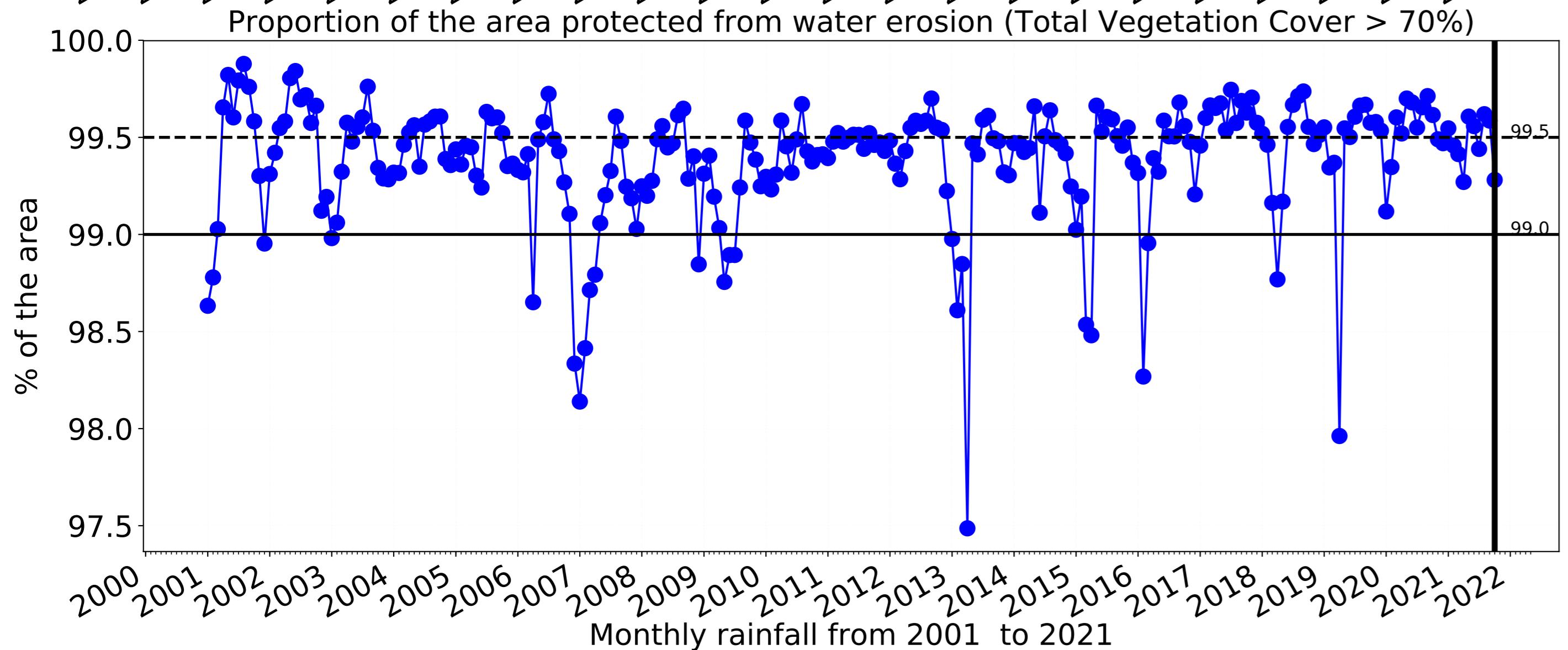
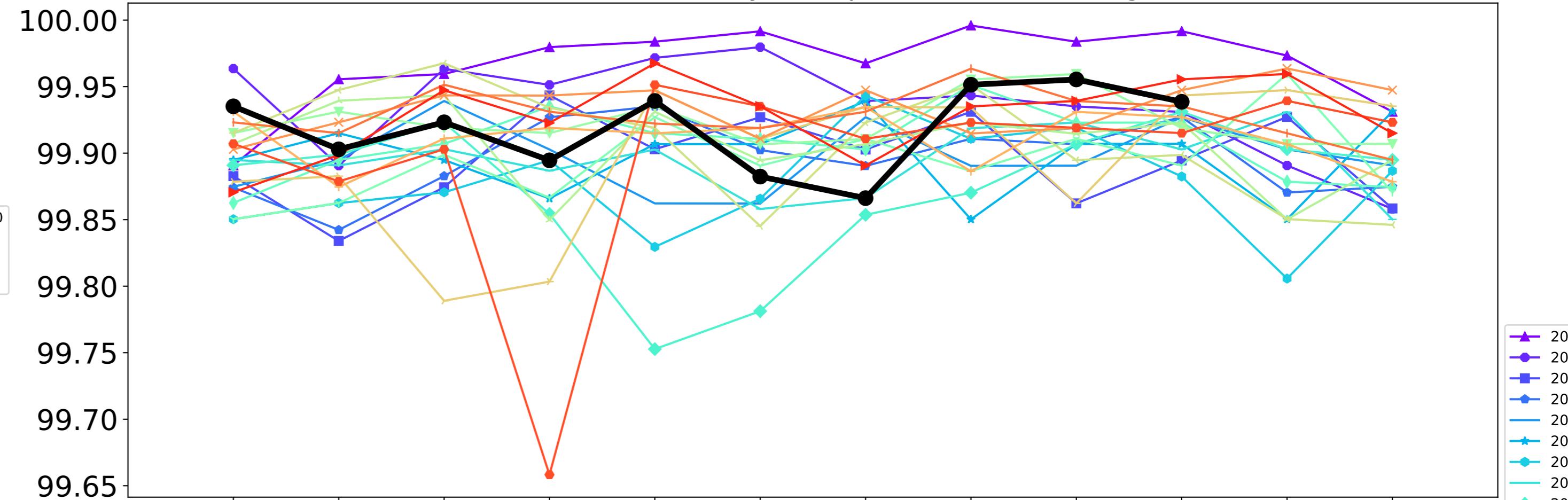
National  
Landcare  
Programme



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



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

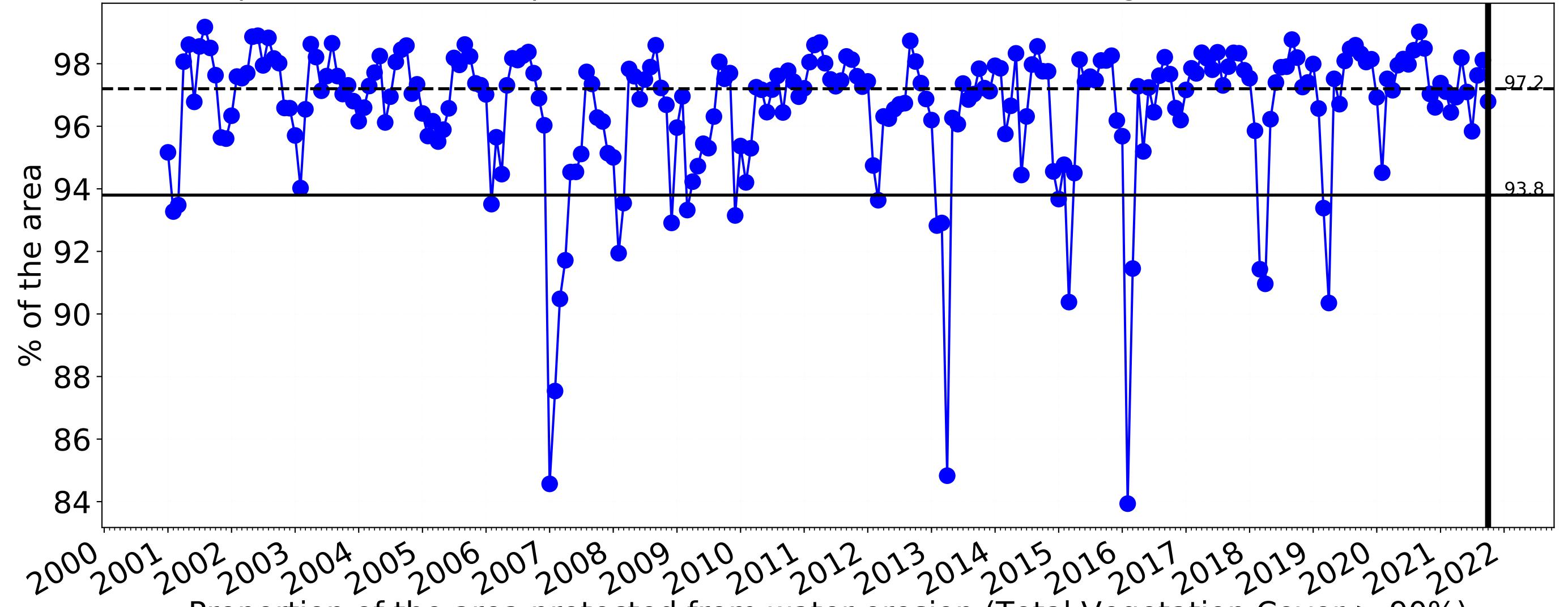


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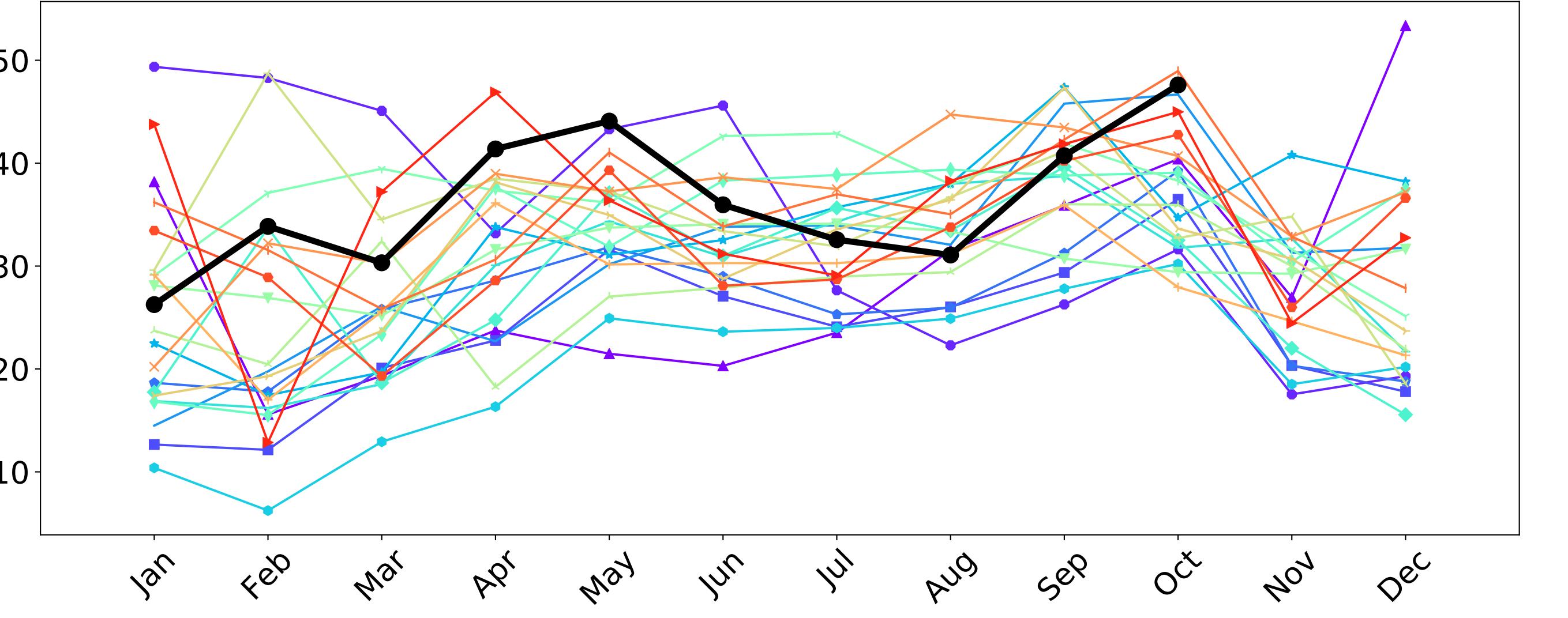
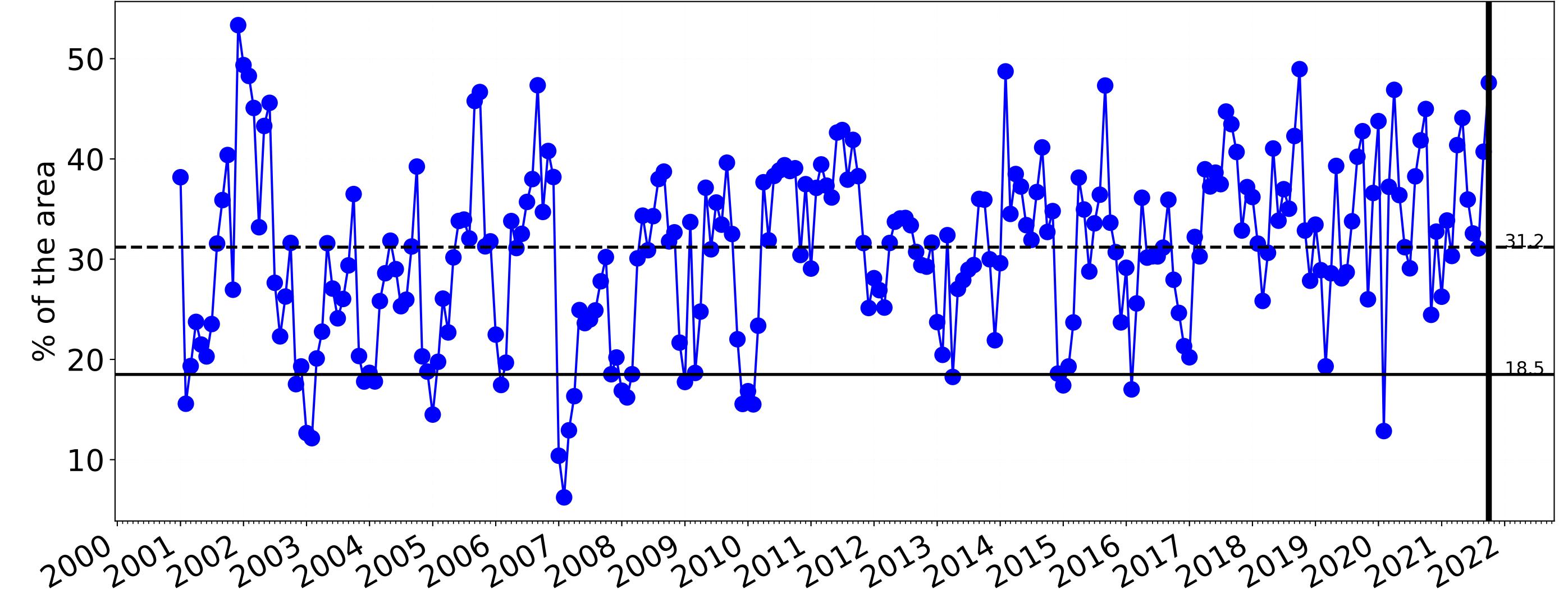
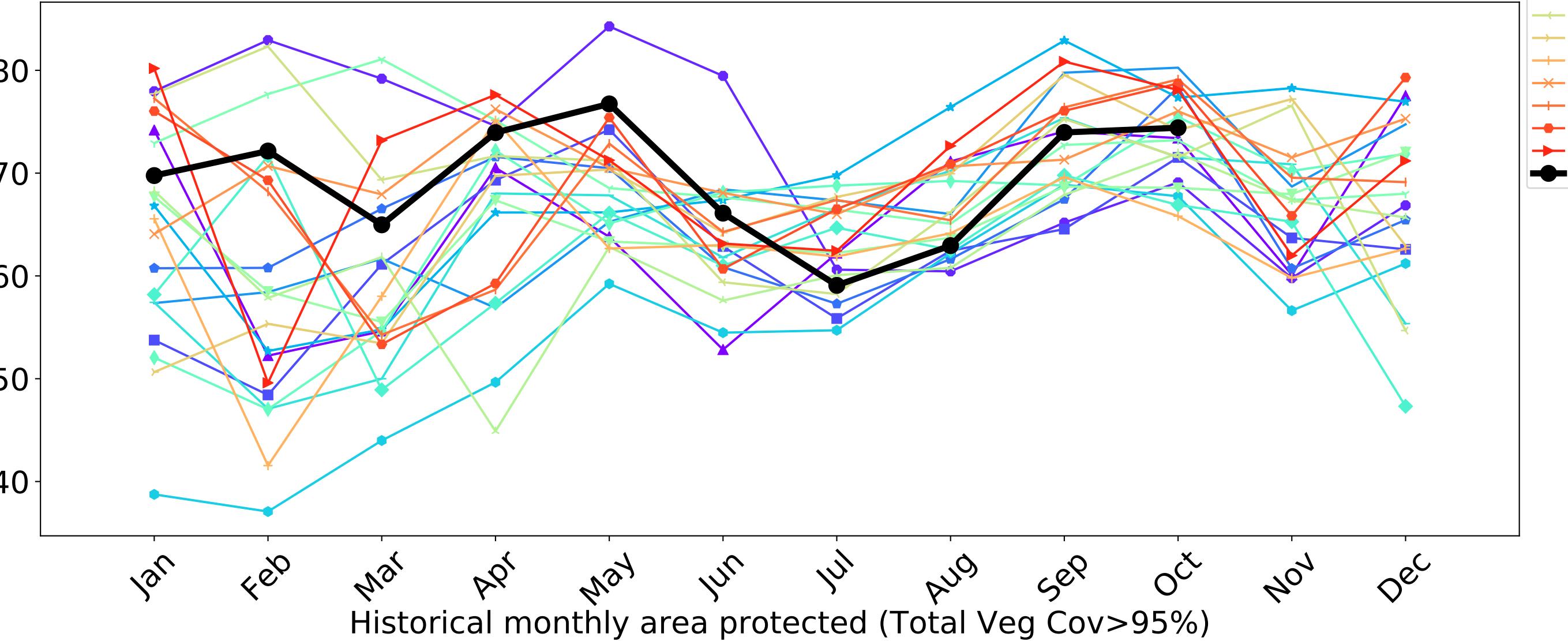
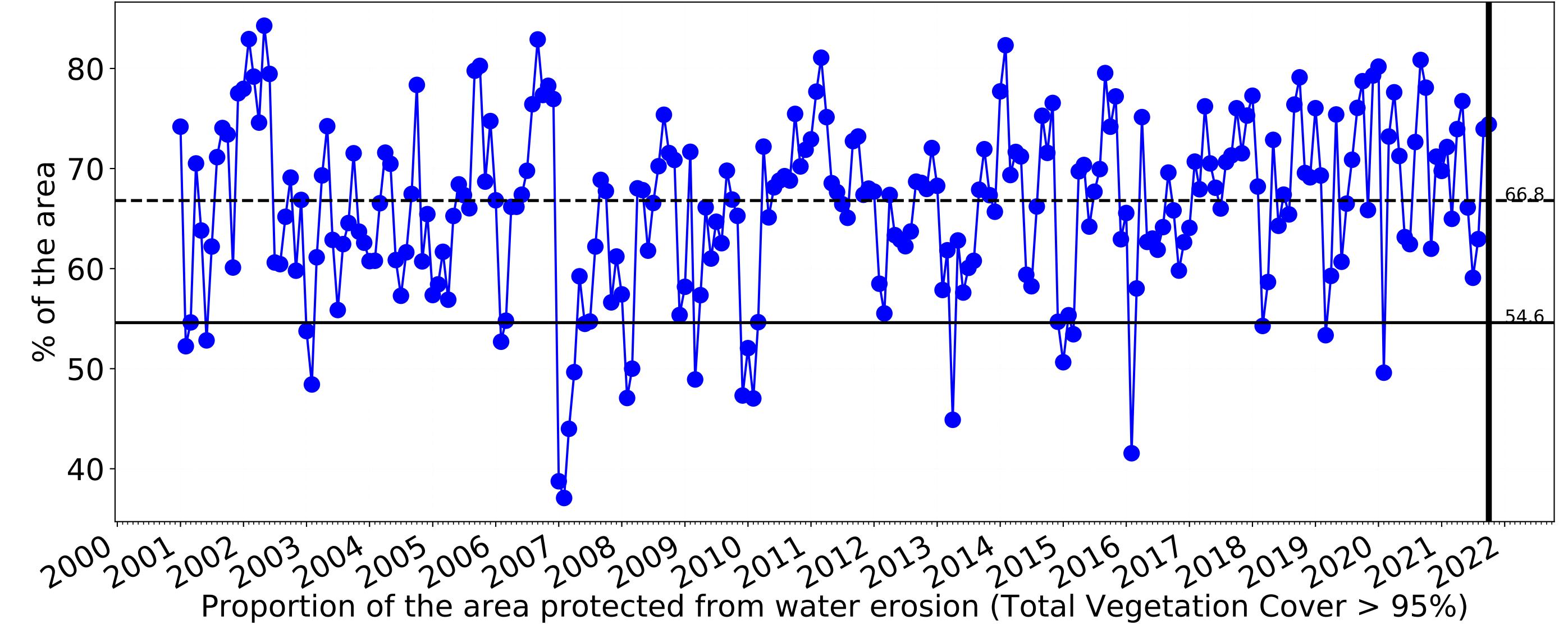
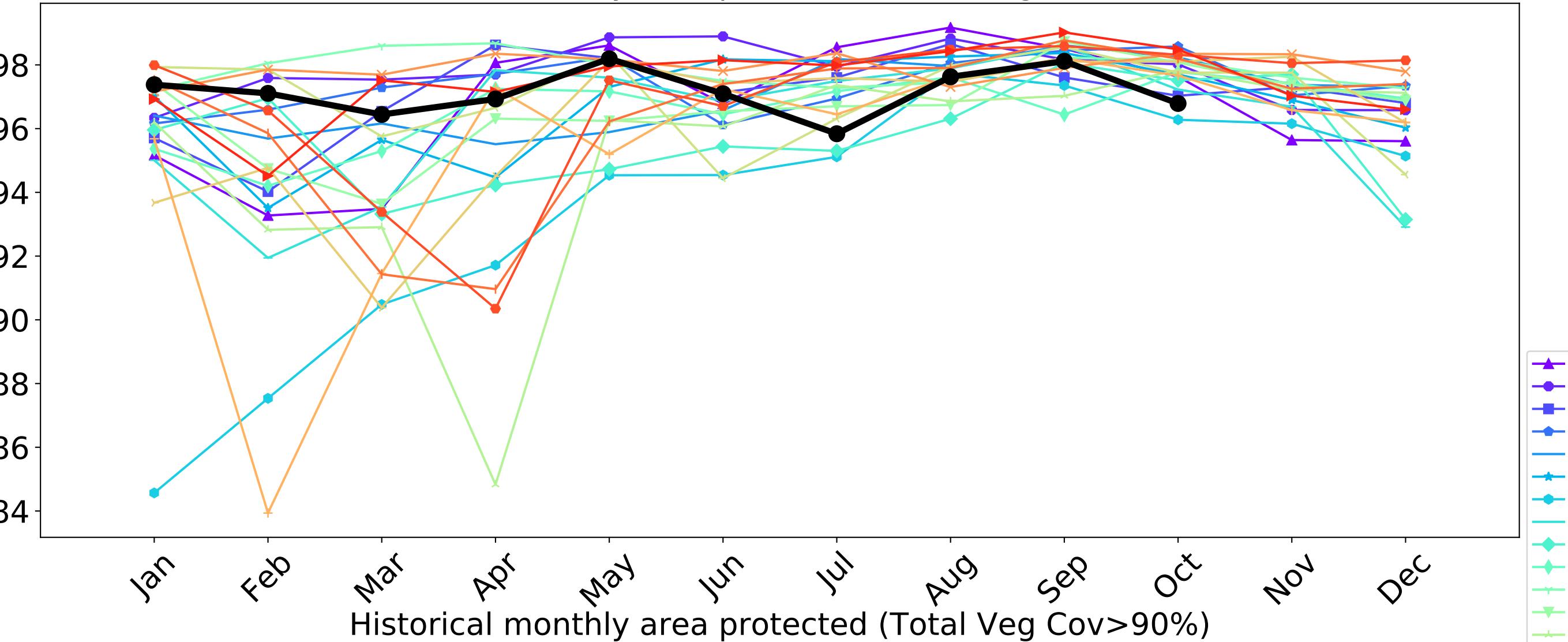
Ecosystem Research Infrastructure



Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



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



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Ecosystem Research Infrastructure

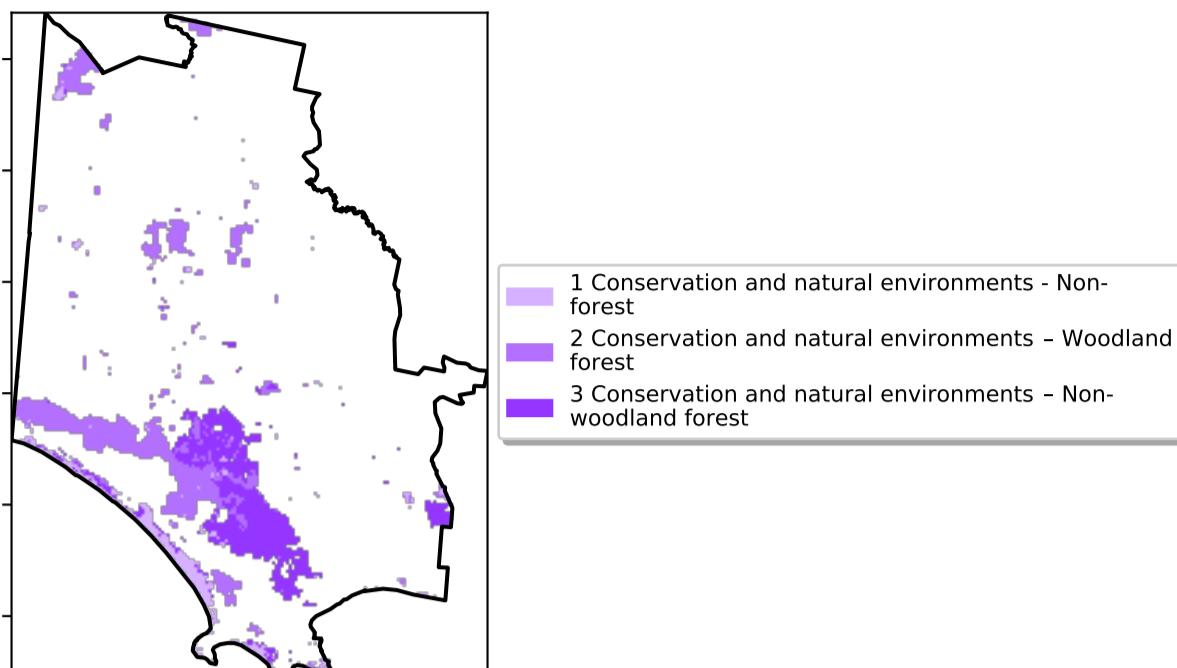


National Landcare Programme

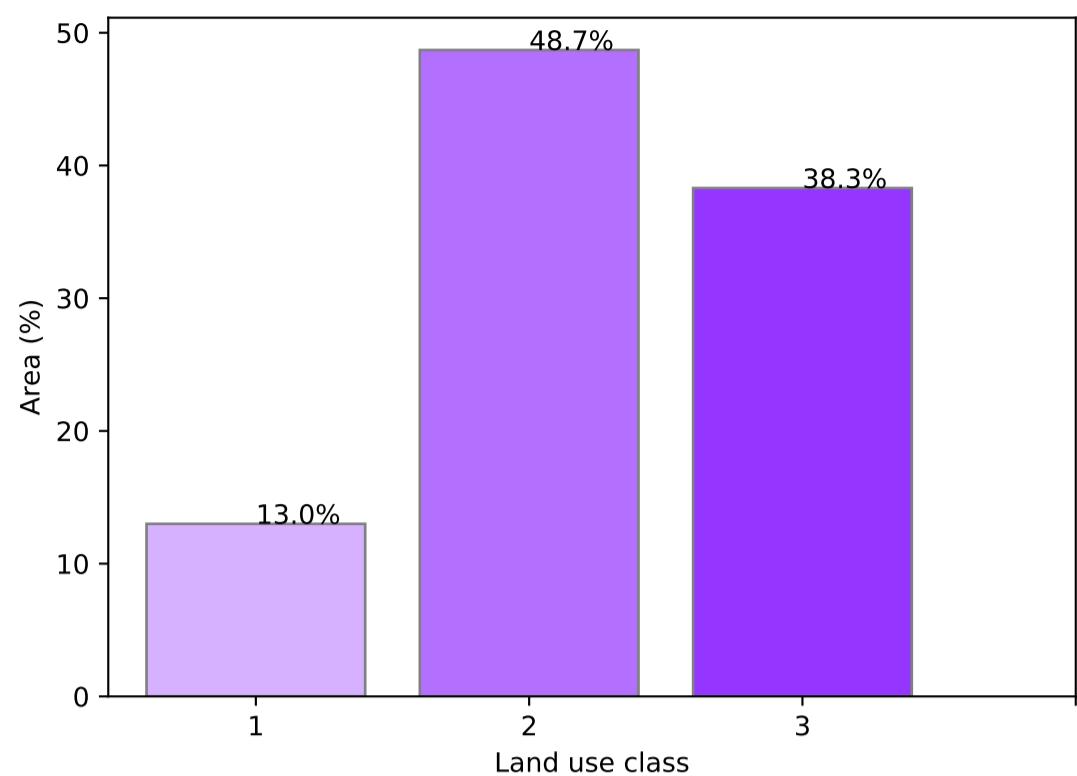


# Conservation and natural environments

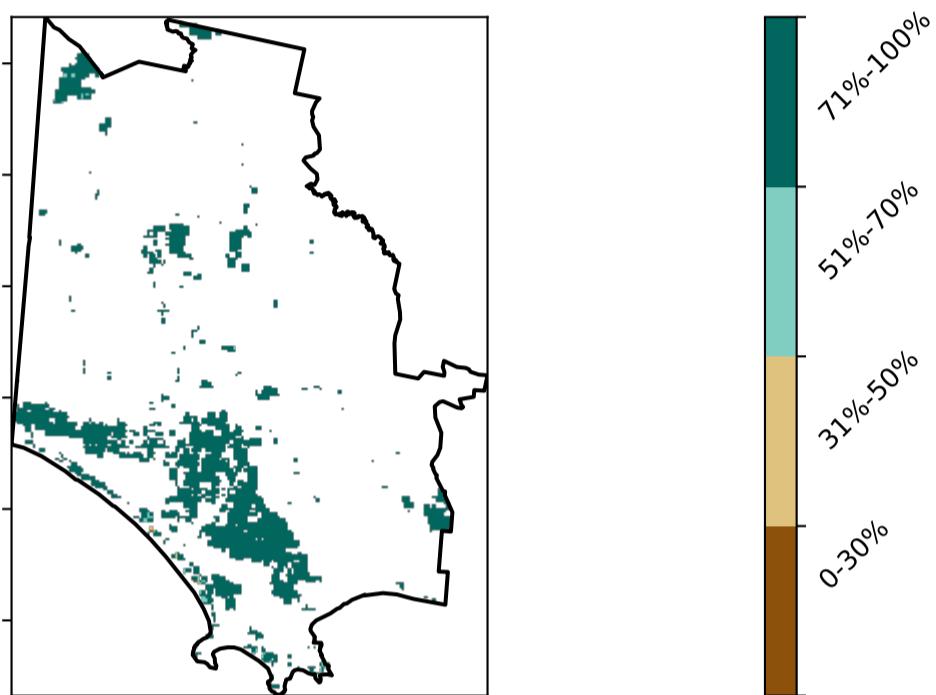
## Land use and forest cover



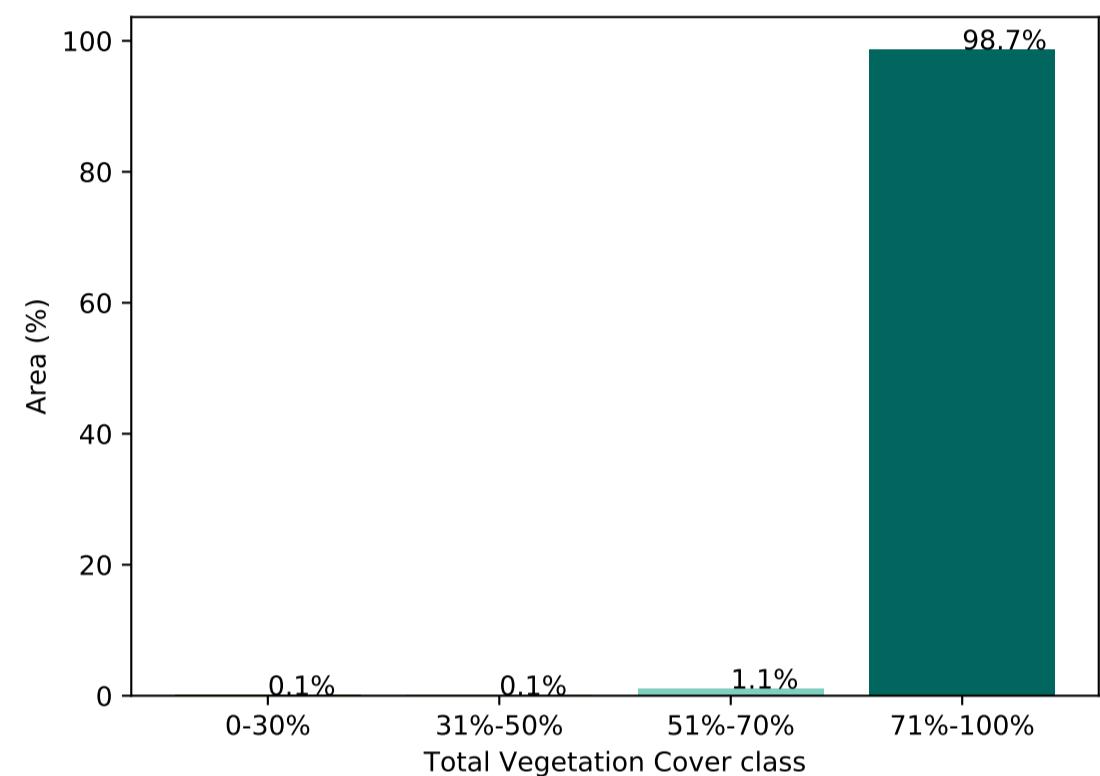
## Proportion of each land class in area



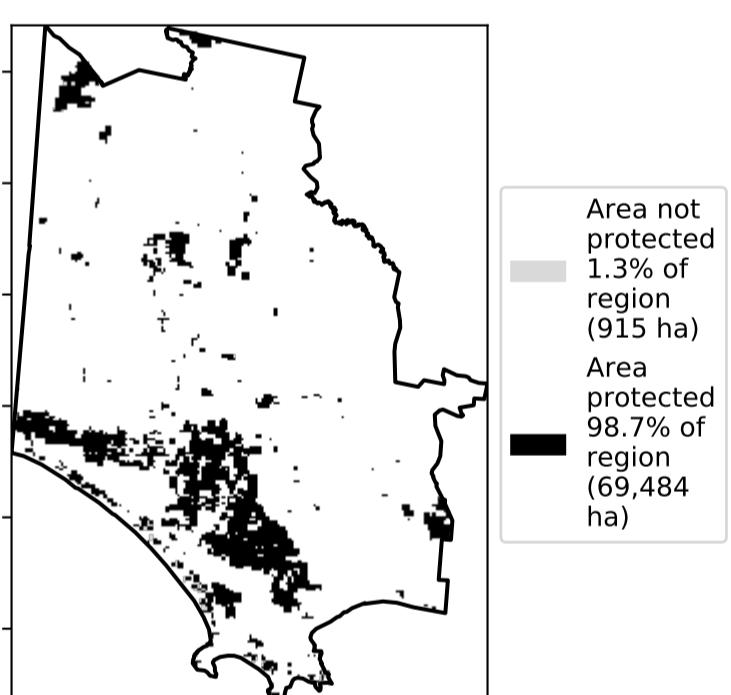
## Total Vegetation Cover [%]



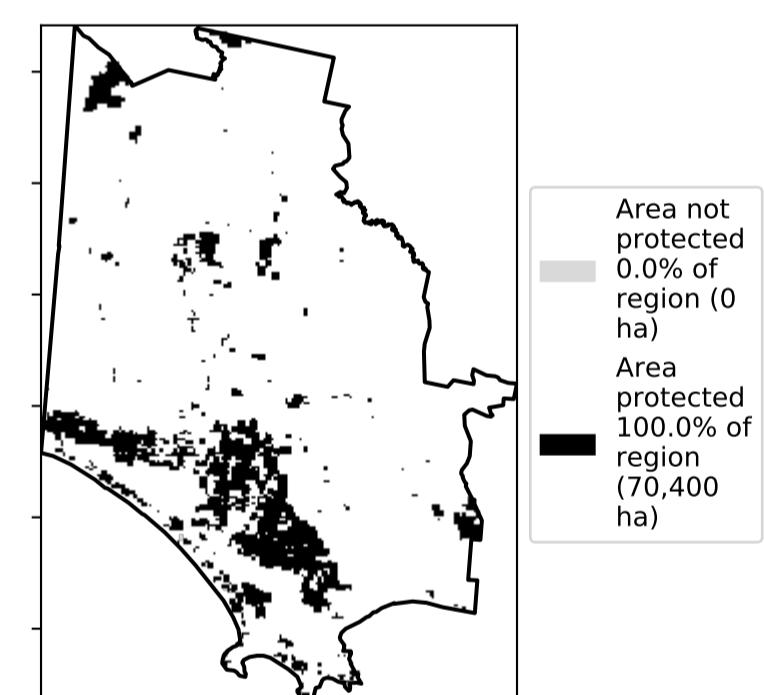
## Proportion of vegetation cover class in area



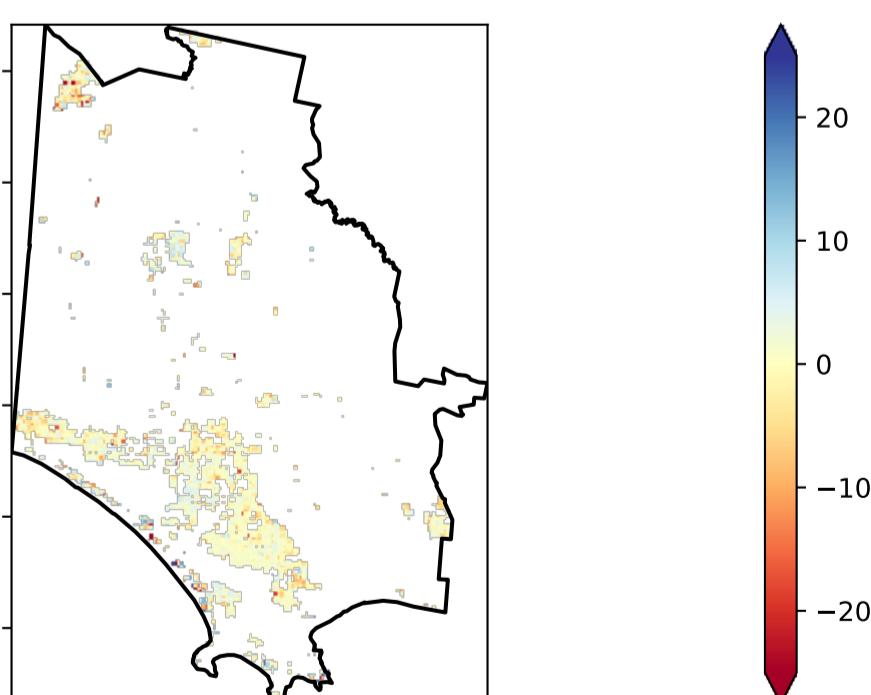
## % Area protected from water erosion (>70%)



## % Area protected from wind erosion (>50%)

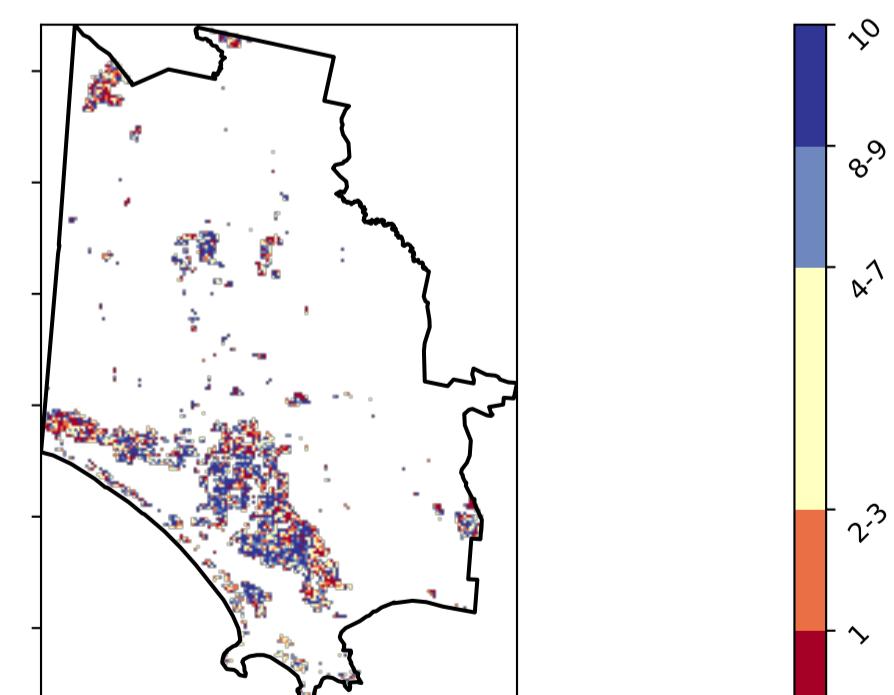


## Total Vegetation Cover Anomaly [%]



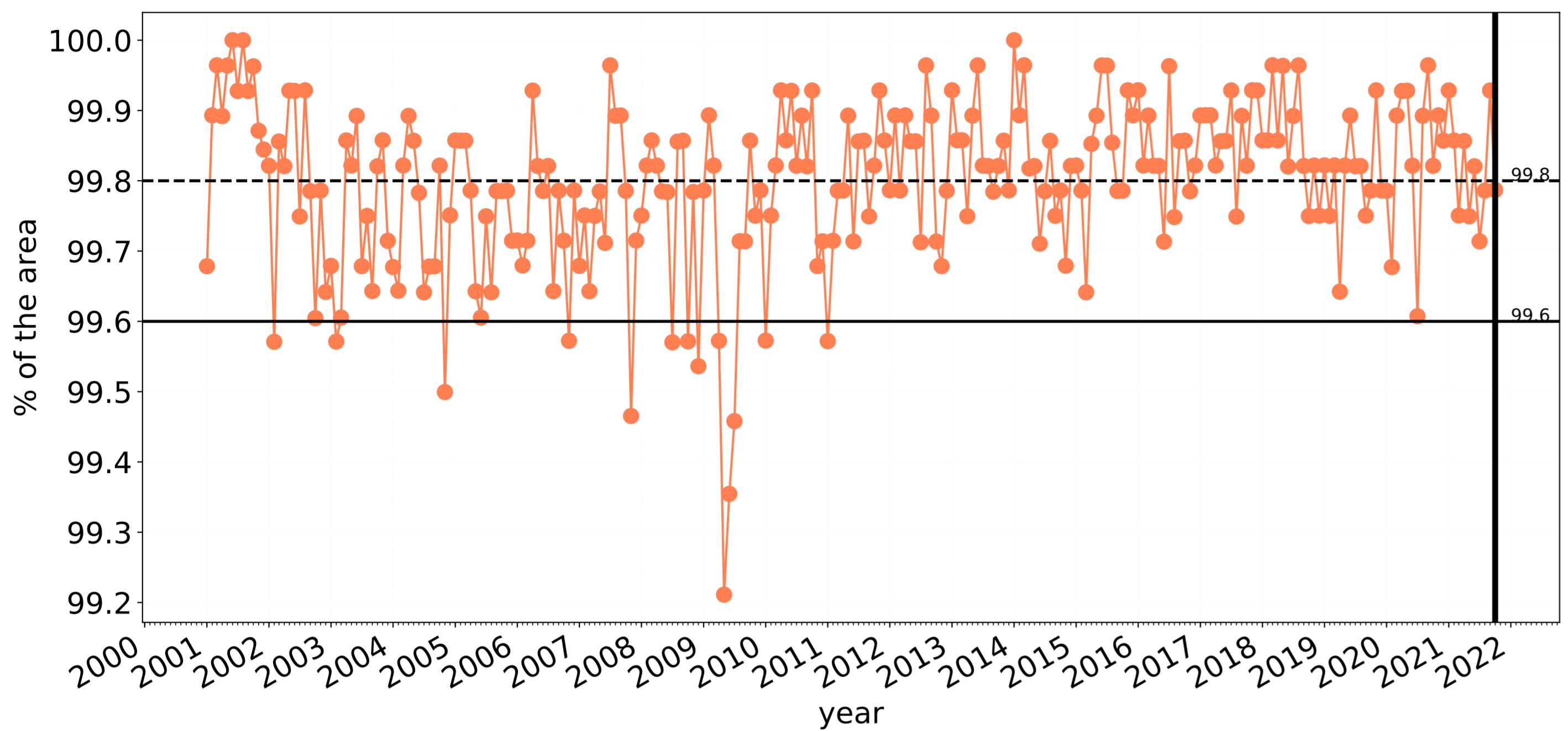
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

## Total Vegetation Cover Decile [%]

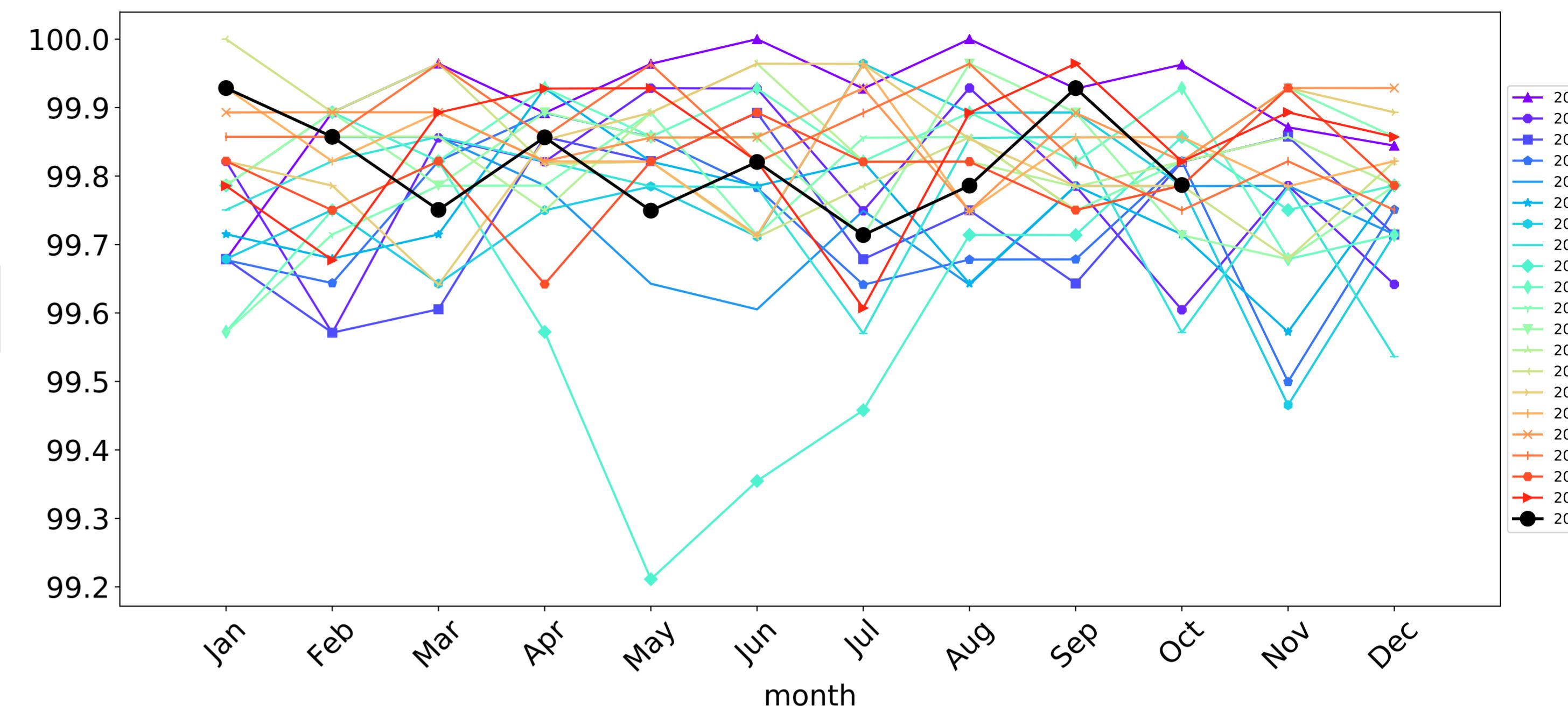


## Conservation and natural environments timeseries

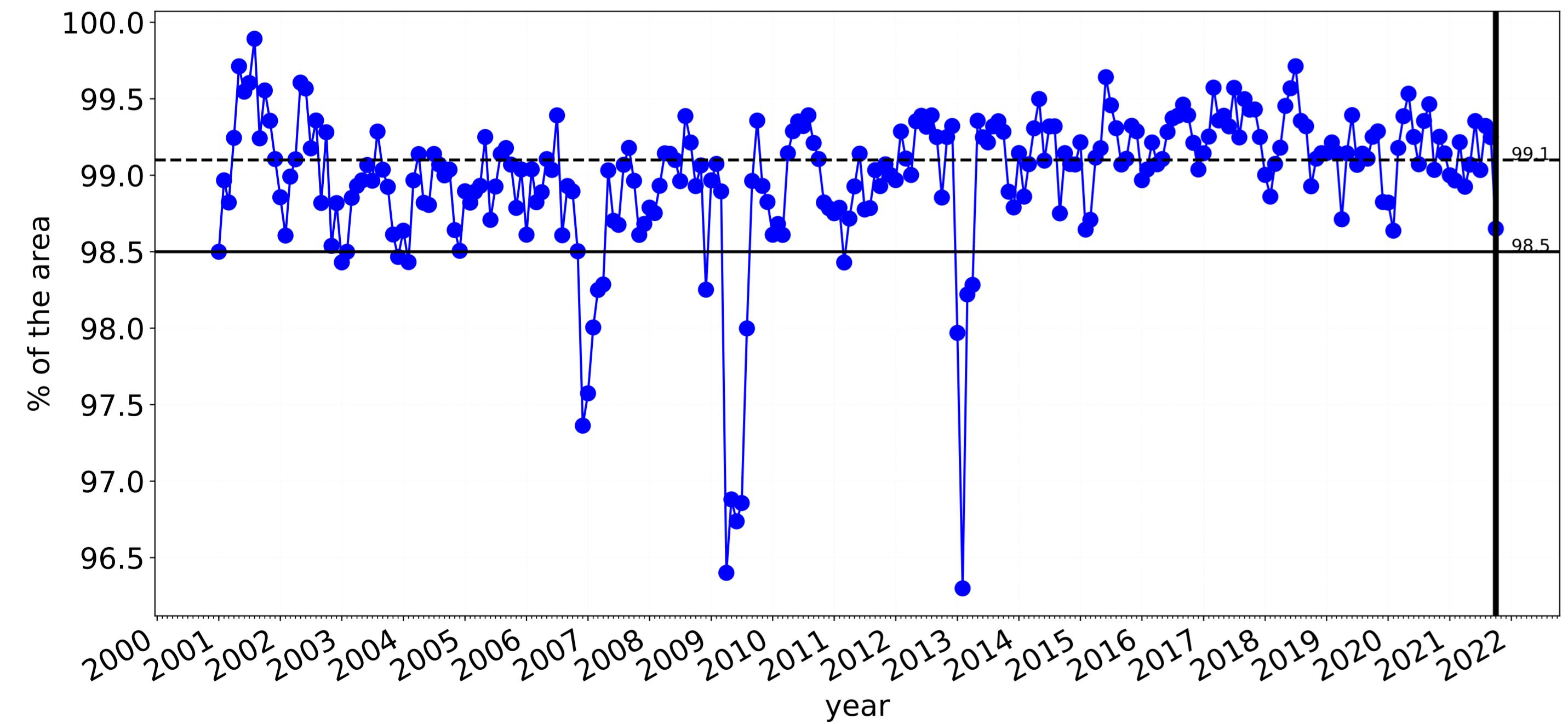
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



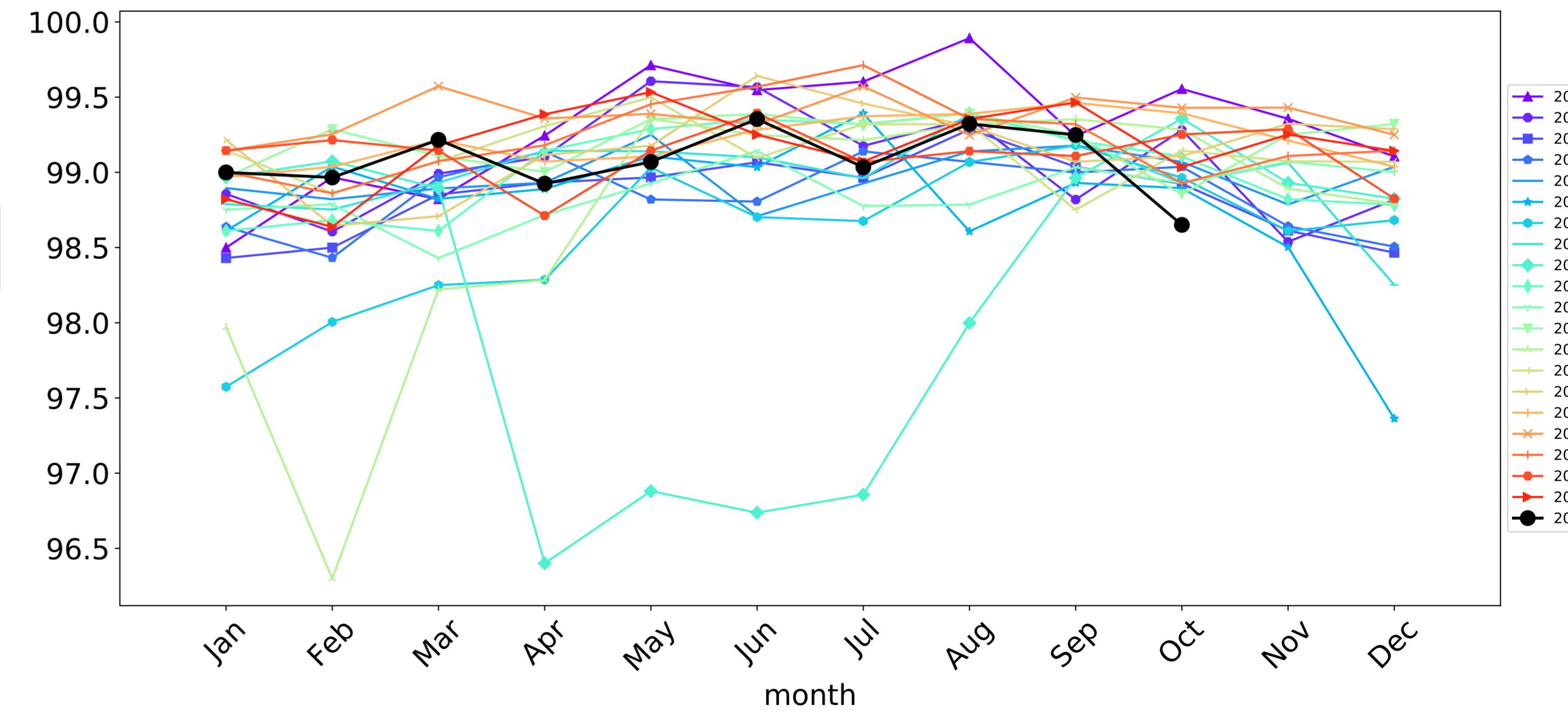
Wind erosion historical monthly area protected (Total Veg Cov >50%)



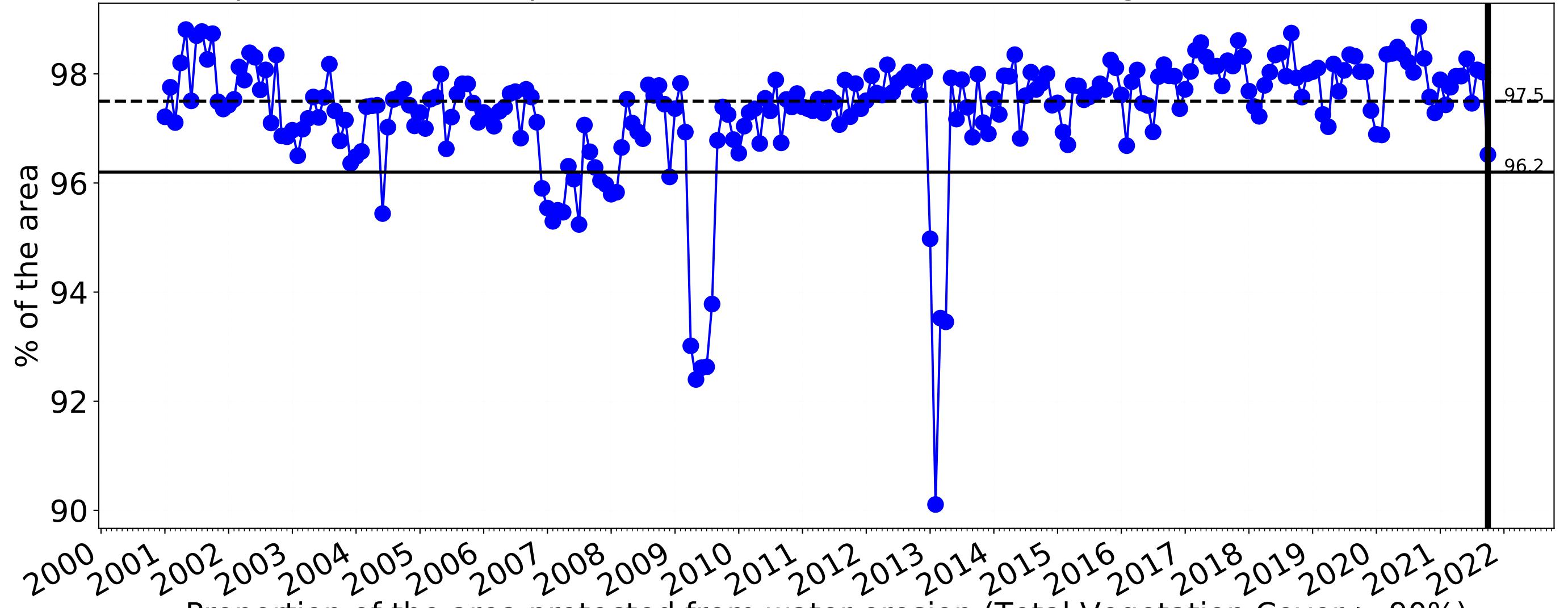
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



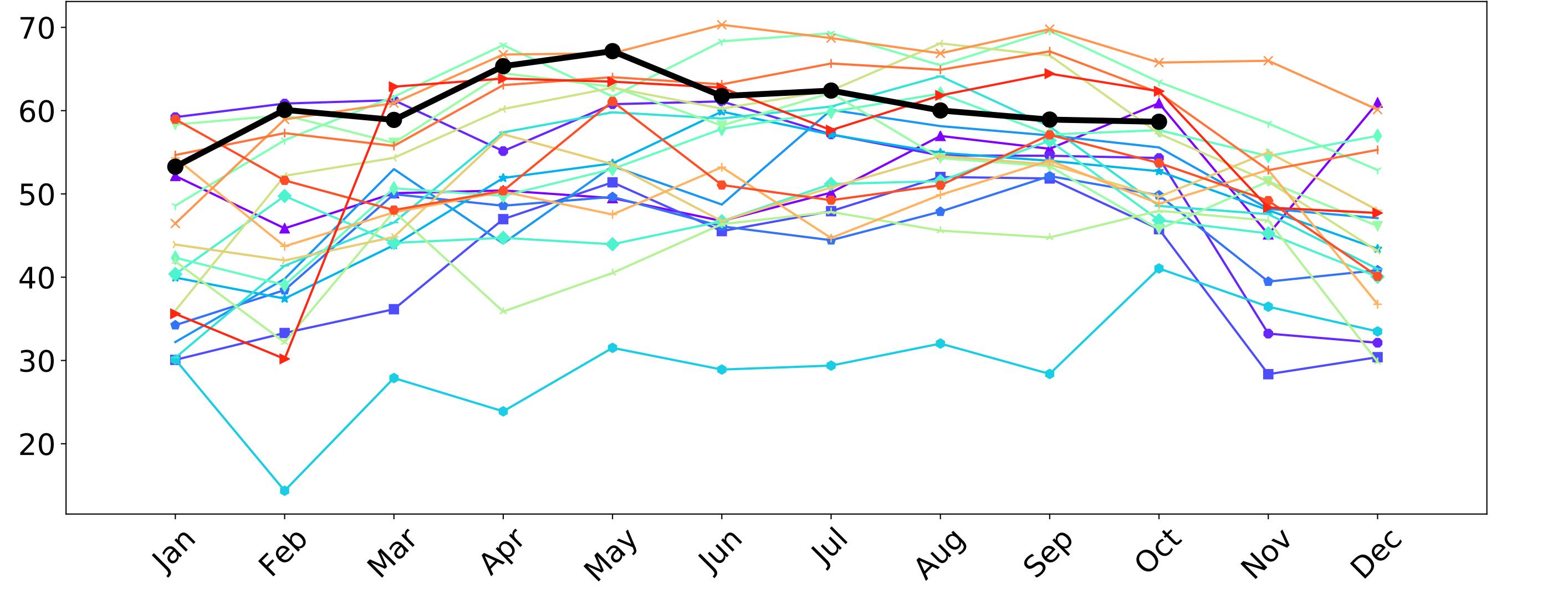
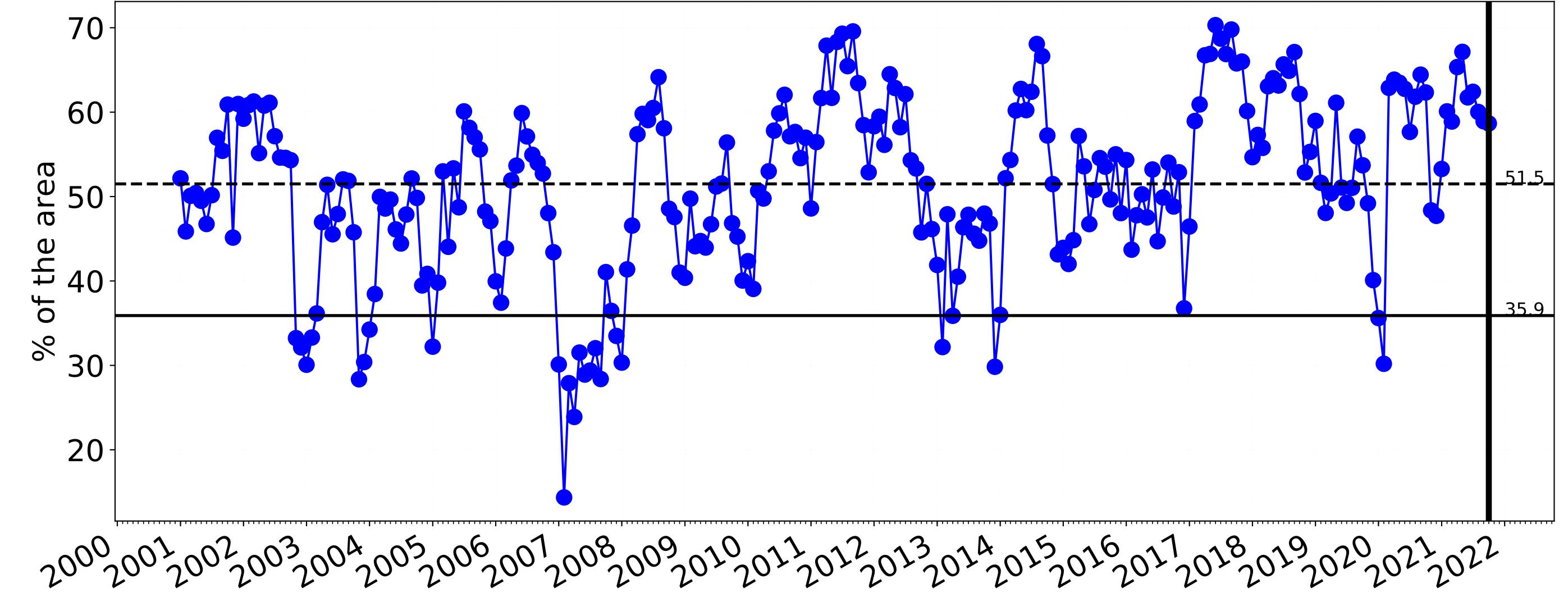
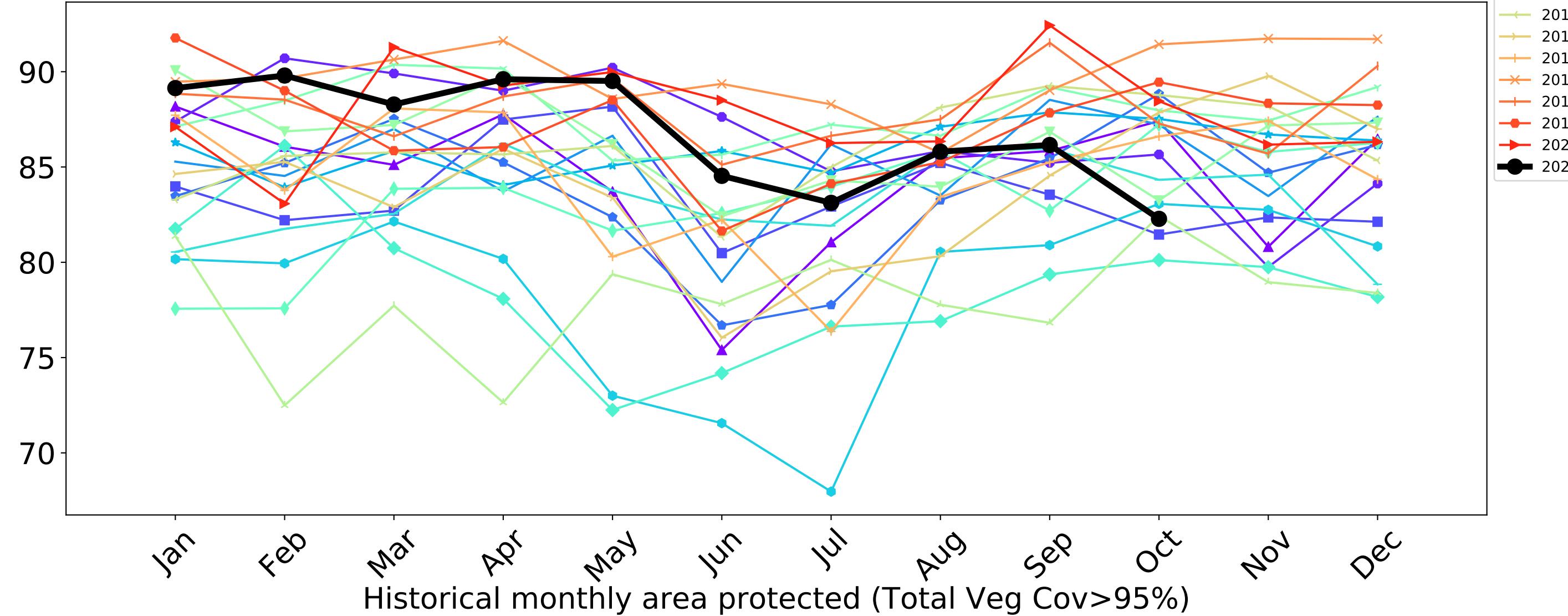
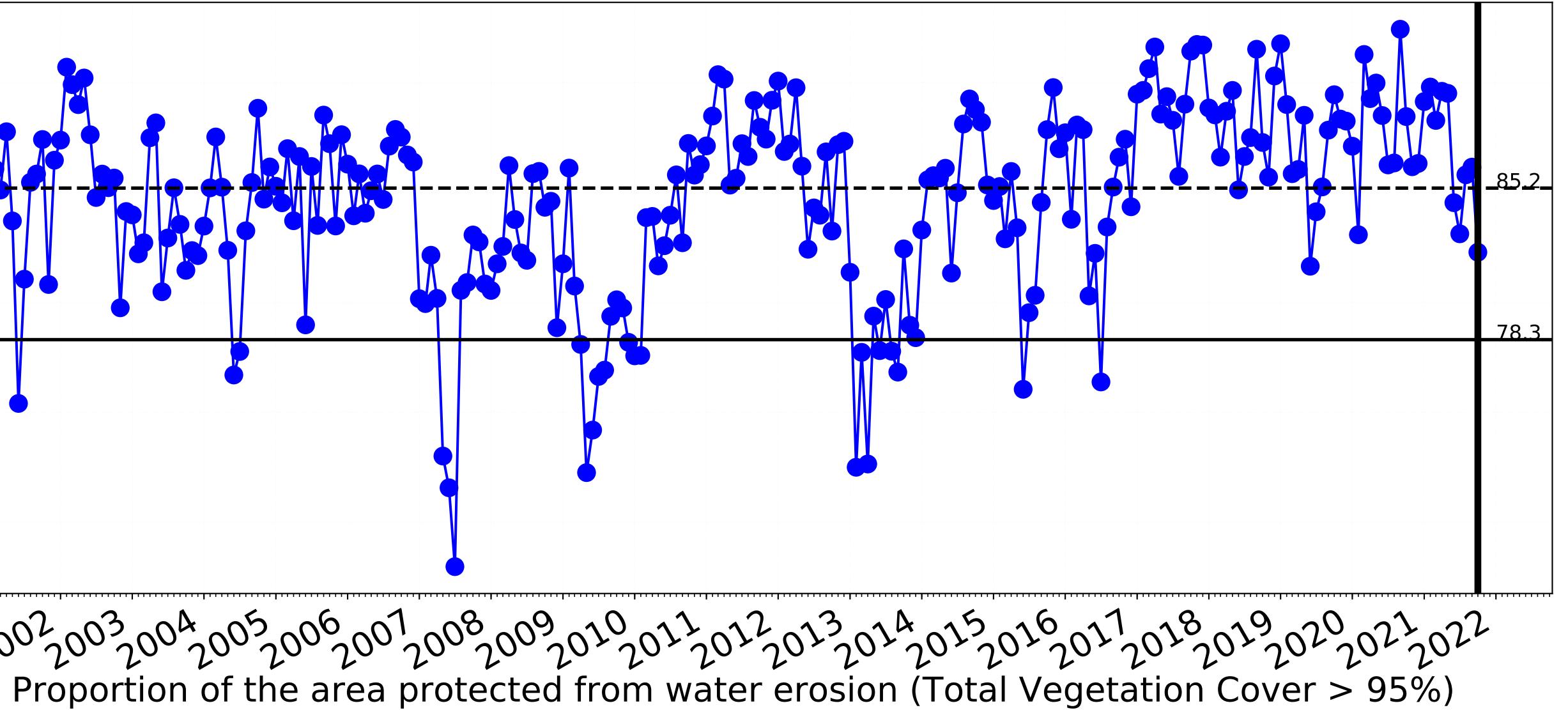
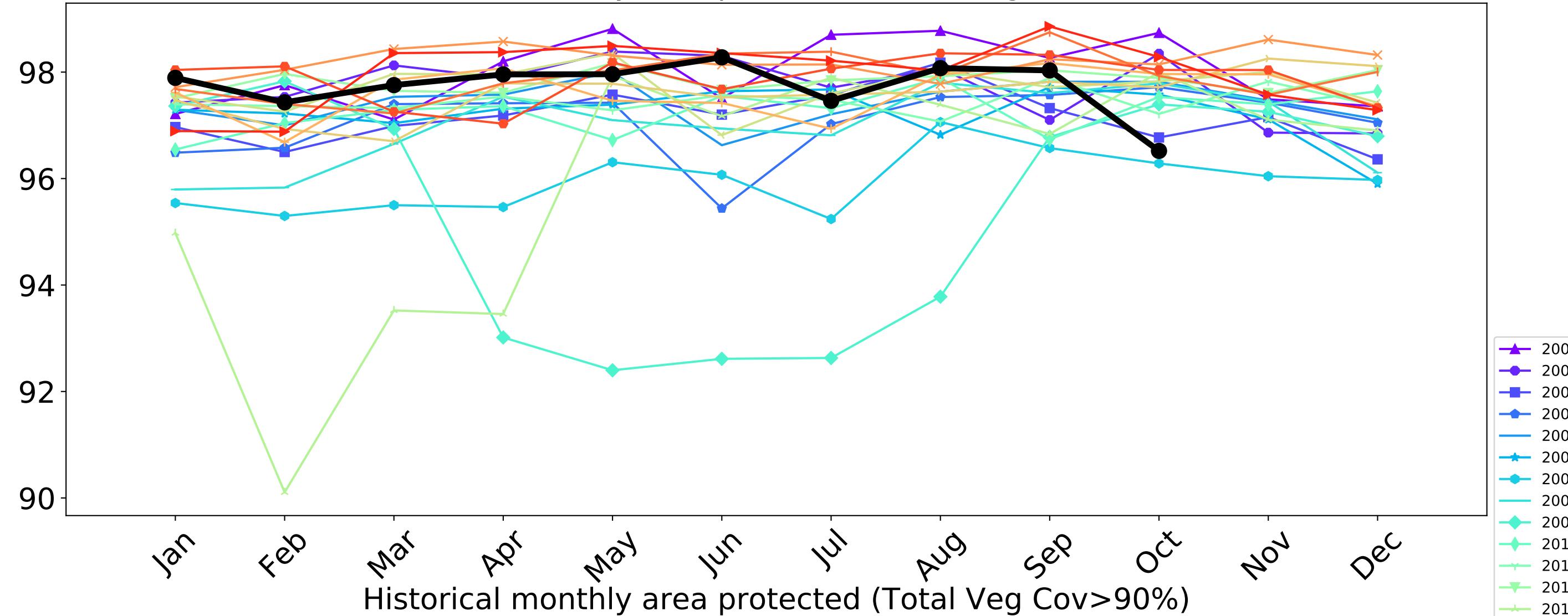
Water erosion historical monthly area protected (Total Veg Cov>70%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



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



Ecosystem Research Infrastructure



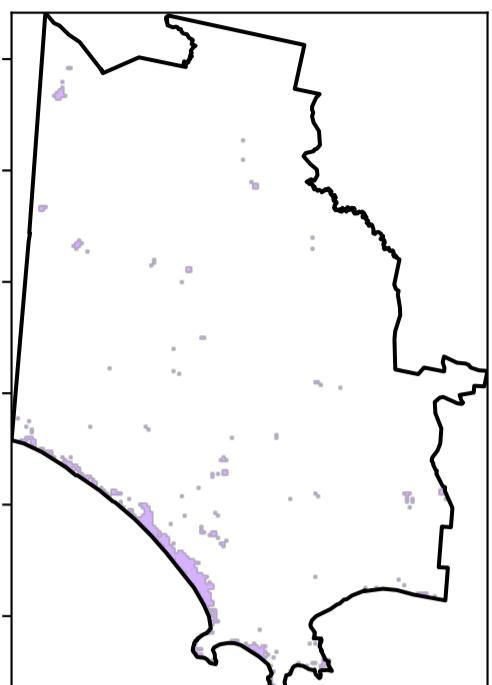
National Landcare Programme



# Conservation and natural environments non forest

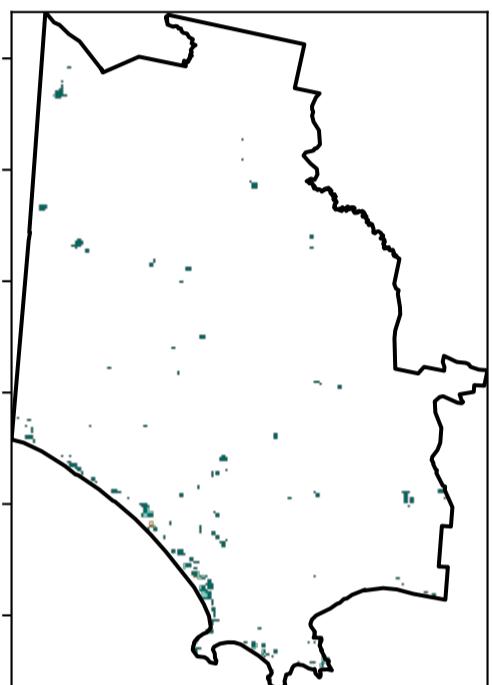
**Land use and forest cover**

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



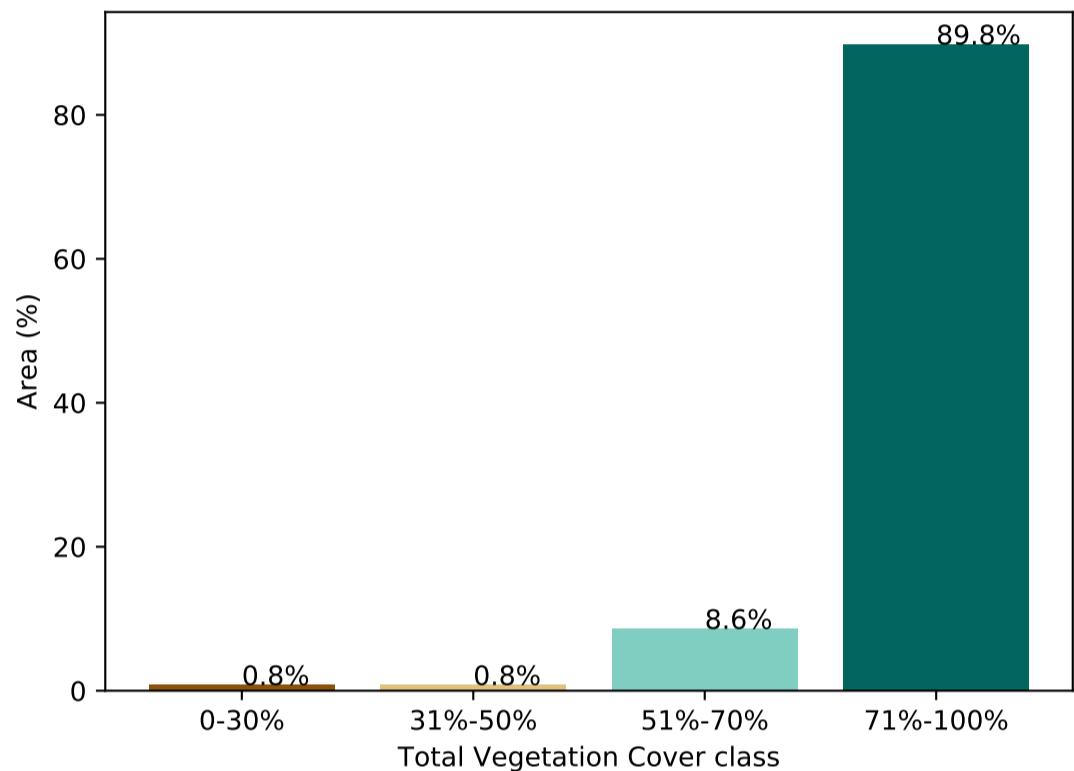
1 Conservation and natural environments - Non-forest

**Total Vegetation Cover [%]**

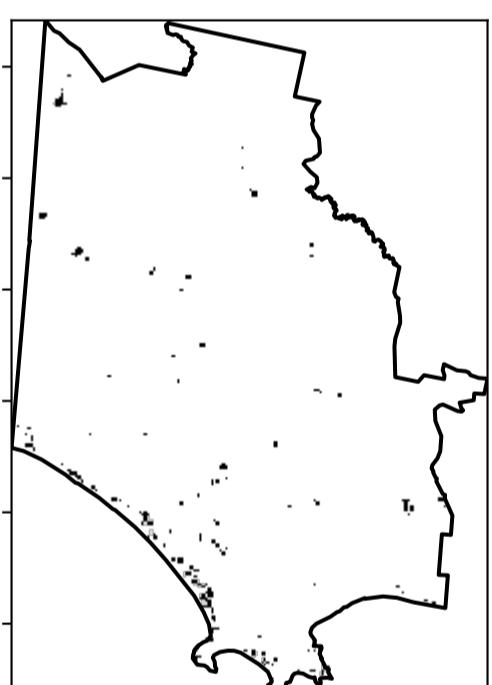


0-30%
31%-50%
51%-70%
71%-100%

**Proportion of vegetation cover class in area**

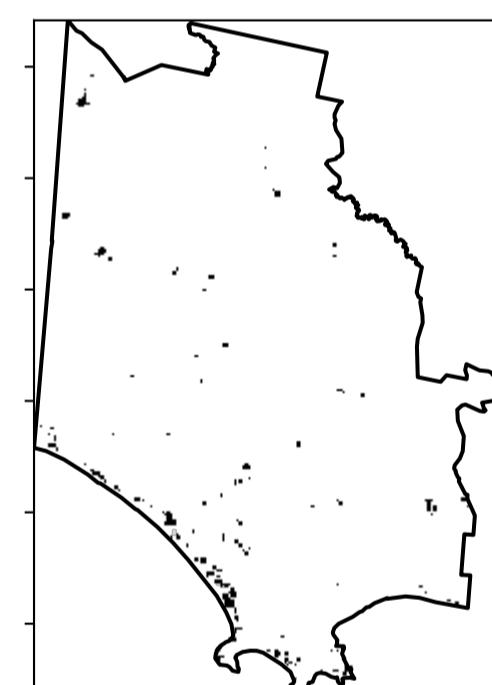


**% Area protected from water erosion (>70%)**



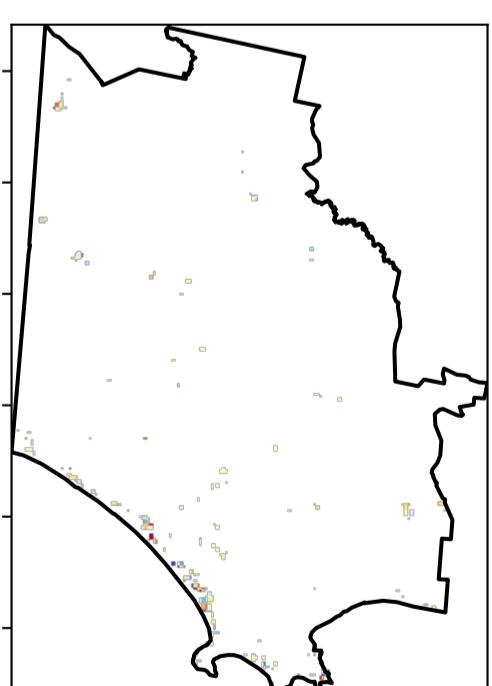
Area not protected  
10.2% of region  
(650 ha)  
Area protected  
89.8% of region  
(5,724 ha)

**% Area protected from wind erosion (>50%)**



Area not protected  
2.0% of region  
(127 ha)  
Area protected  
98.0% of region  
(6,247 ha)

**Total Vegetation Cover Anomaly [%]**

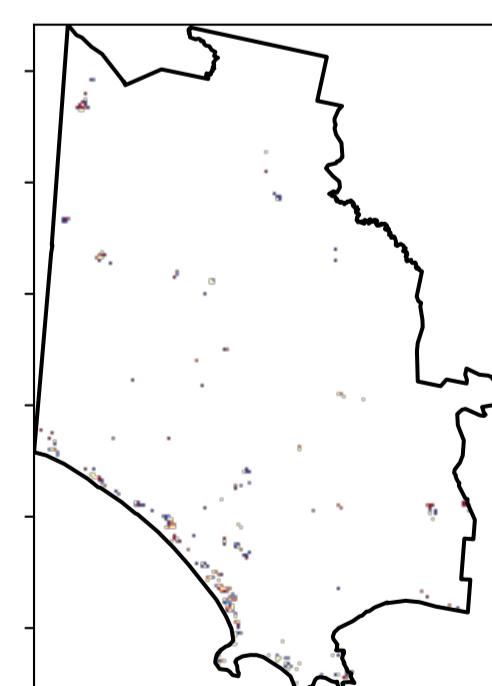


Anomaly show how many percentage points each pixel is from the mean. That is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map using baseline from 2001 to 2019.

-20
-10
0
10
20

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 [%]**



1
2
3
4
5
6
7
8
9
10



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Ecosystem Research Infrastructure

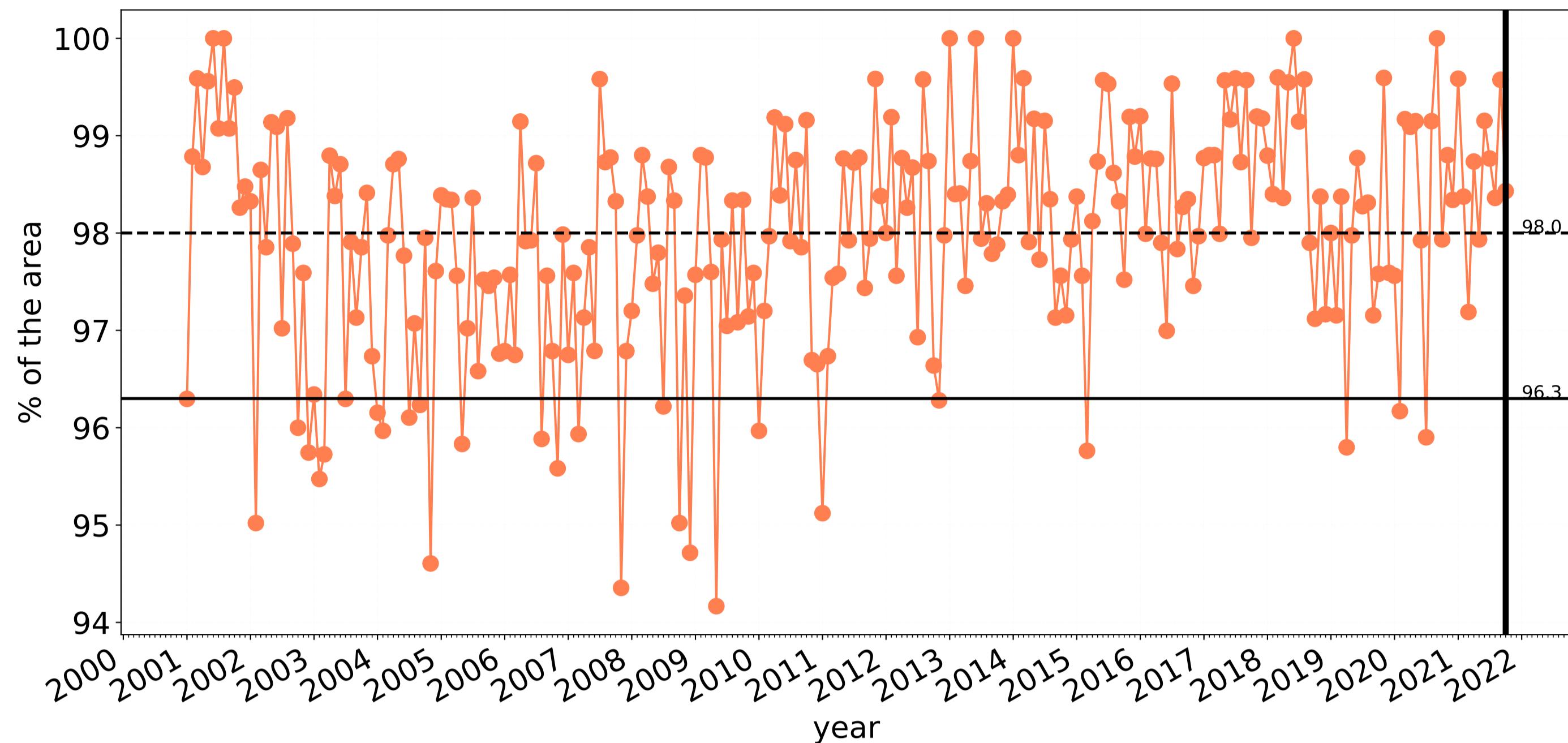


Australian Government

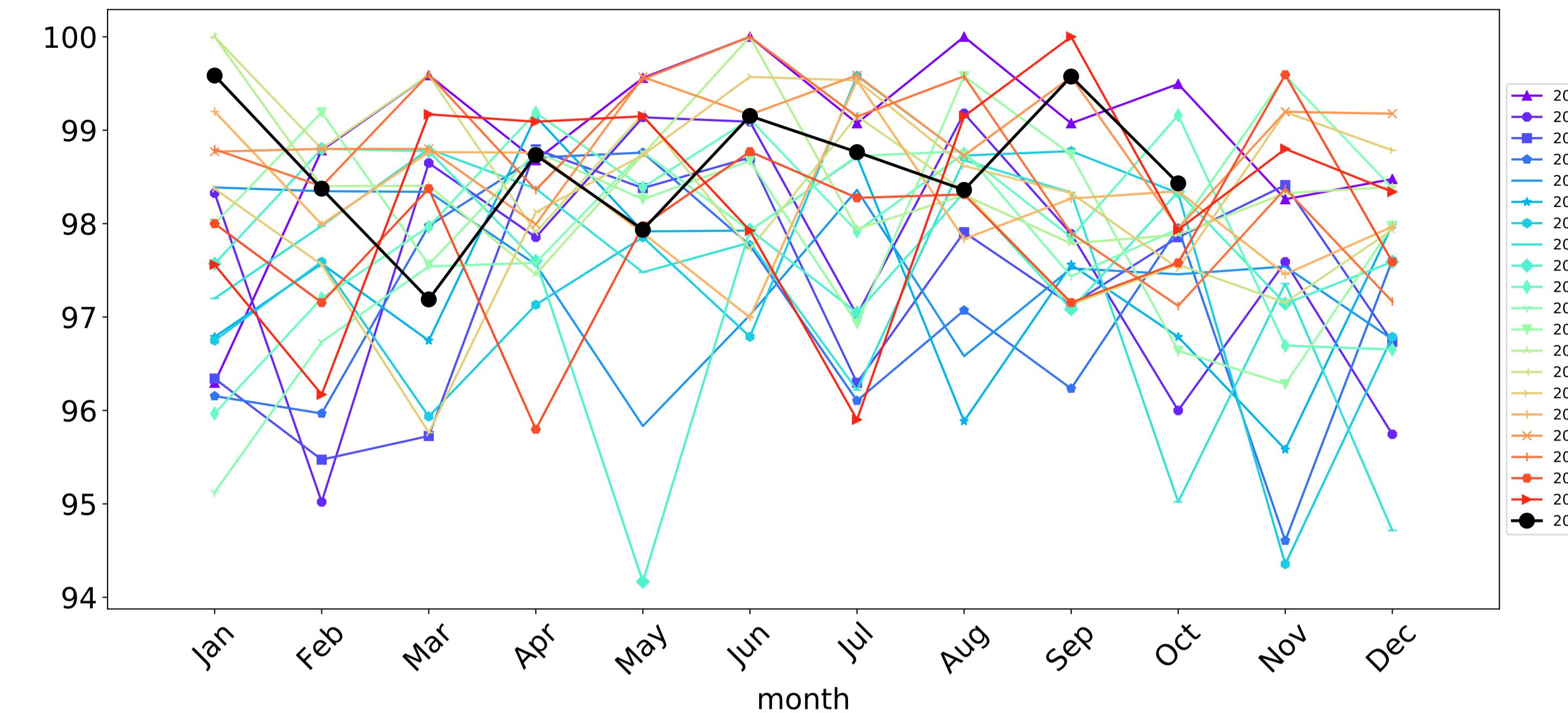


## Conservation and natural environments non forest timeseries

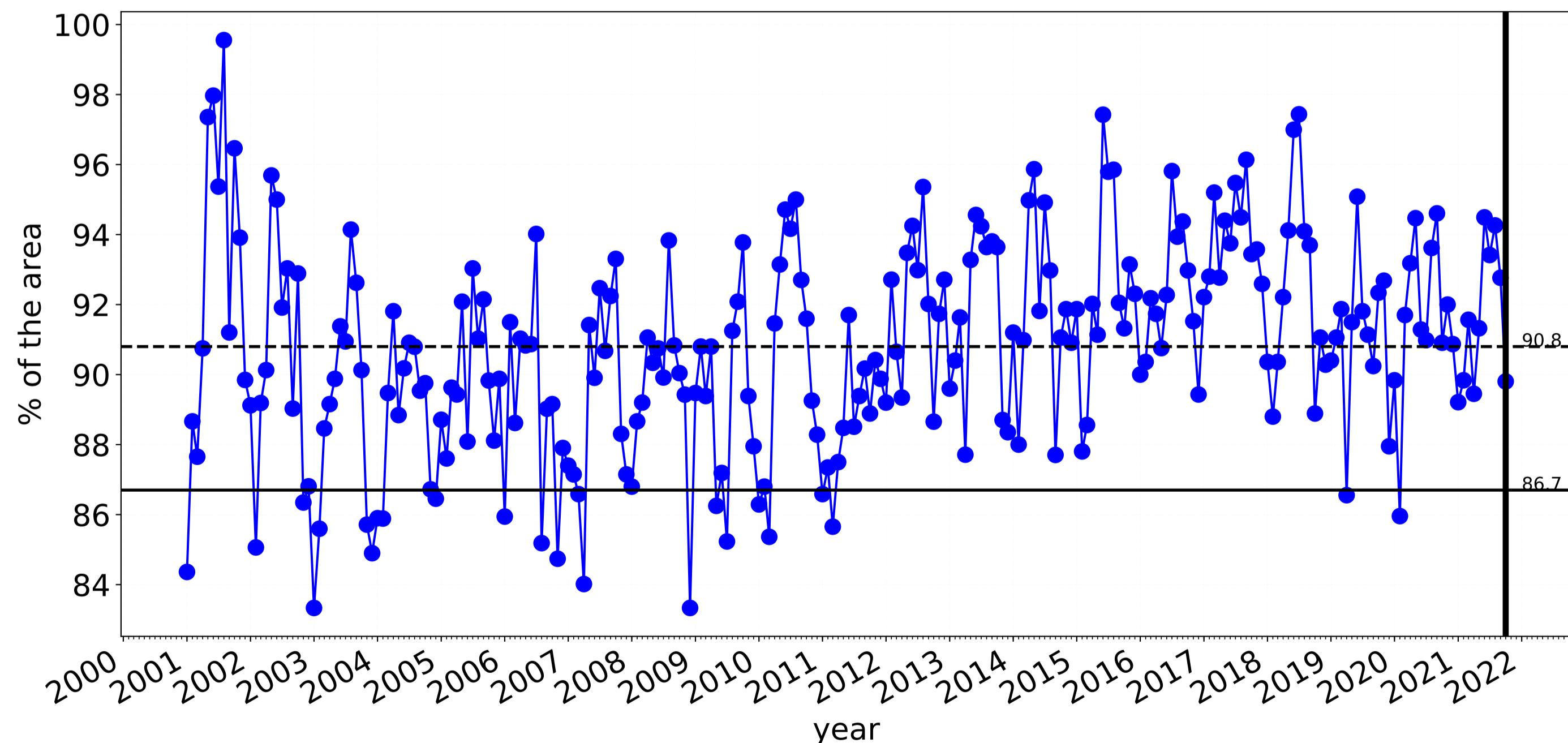
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



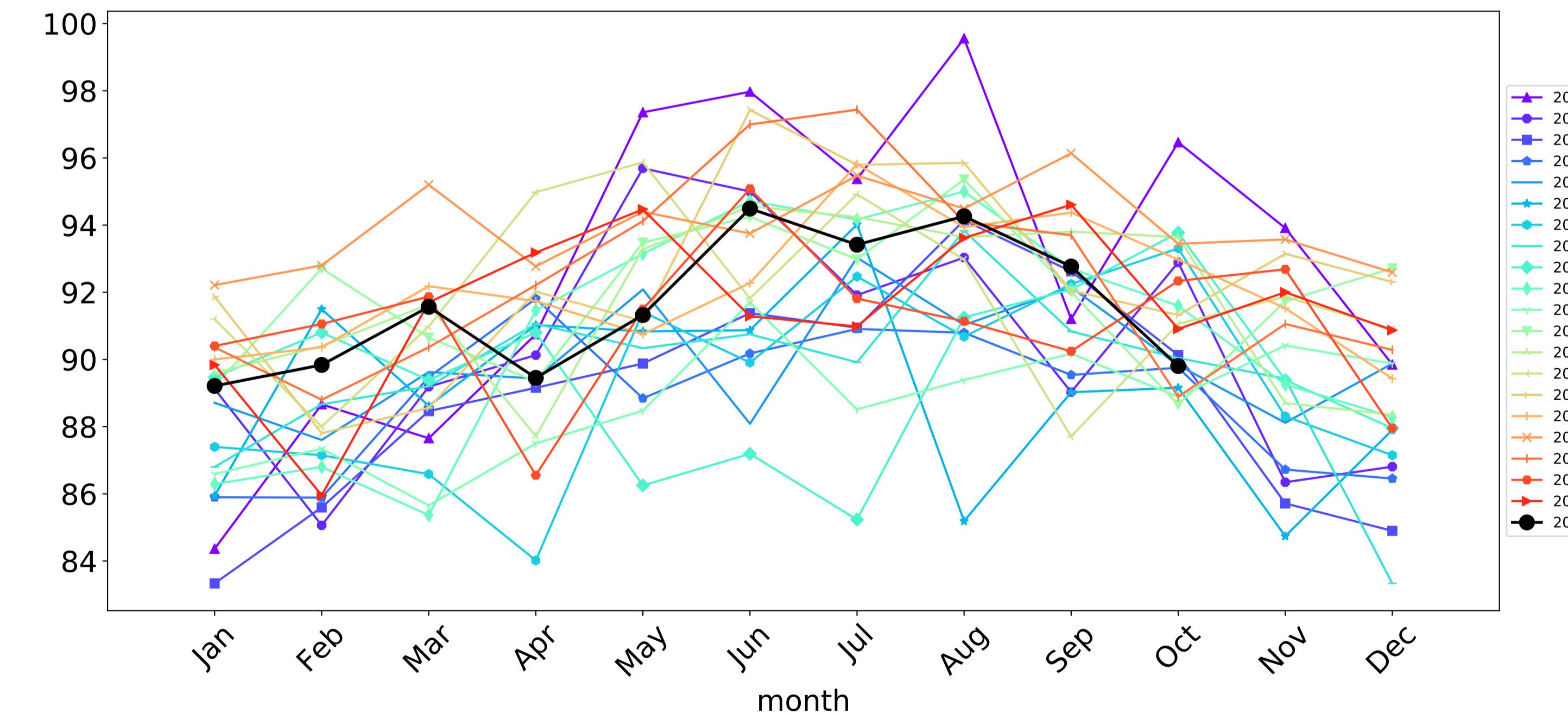
Wind erosion historical monthly area protected (Total Veg Cov >50%)



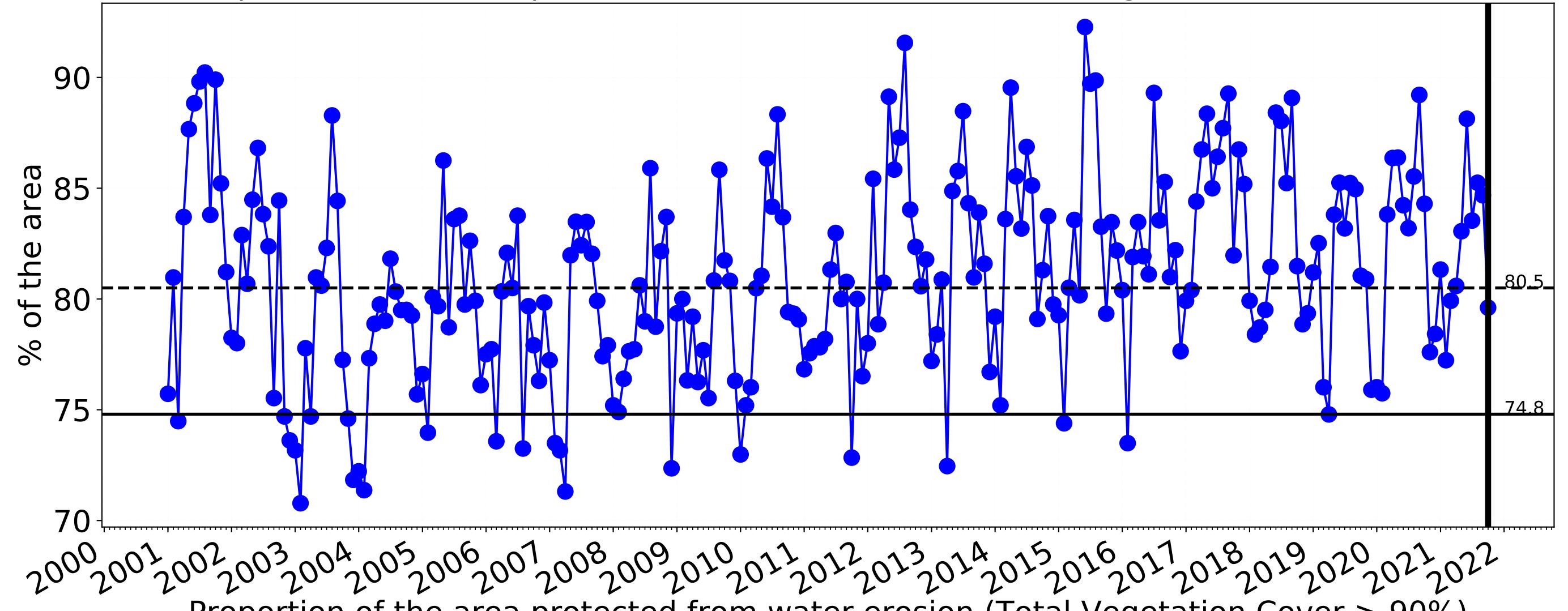
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



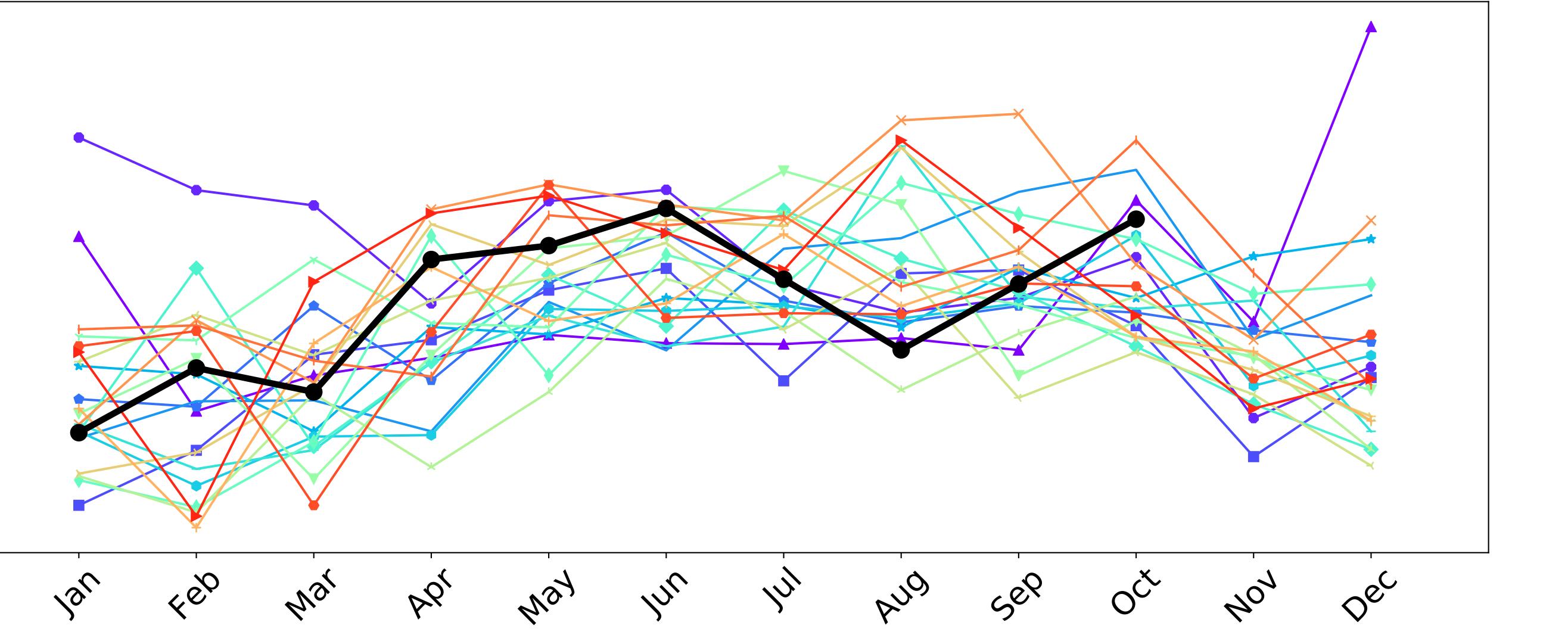
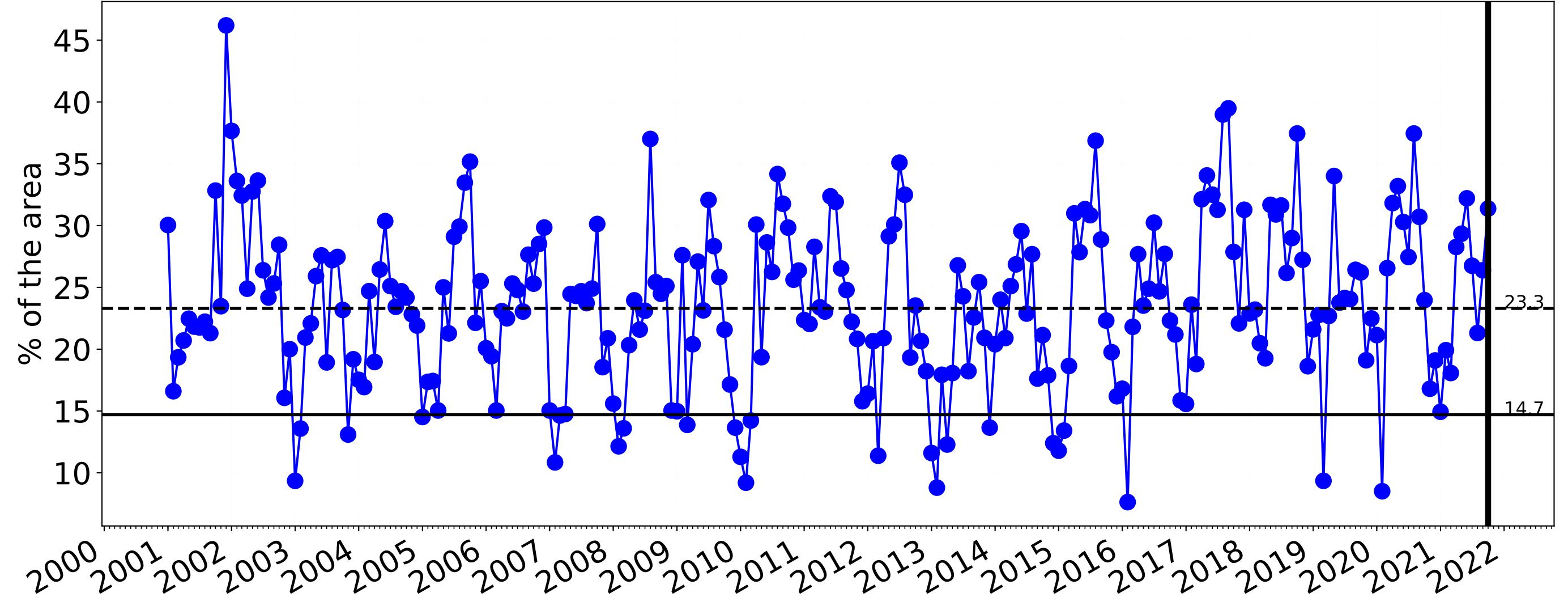
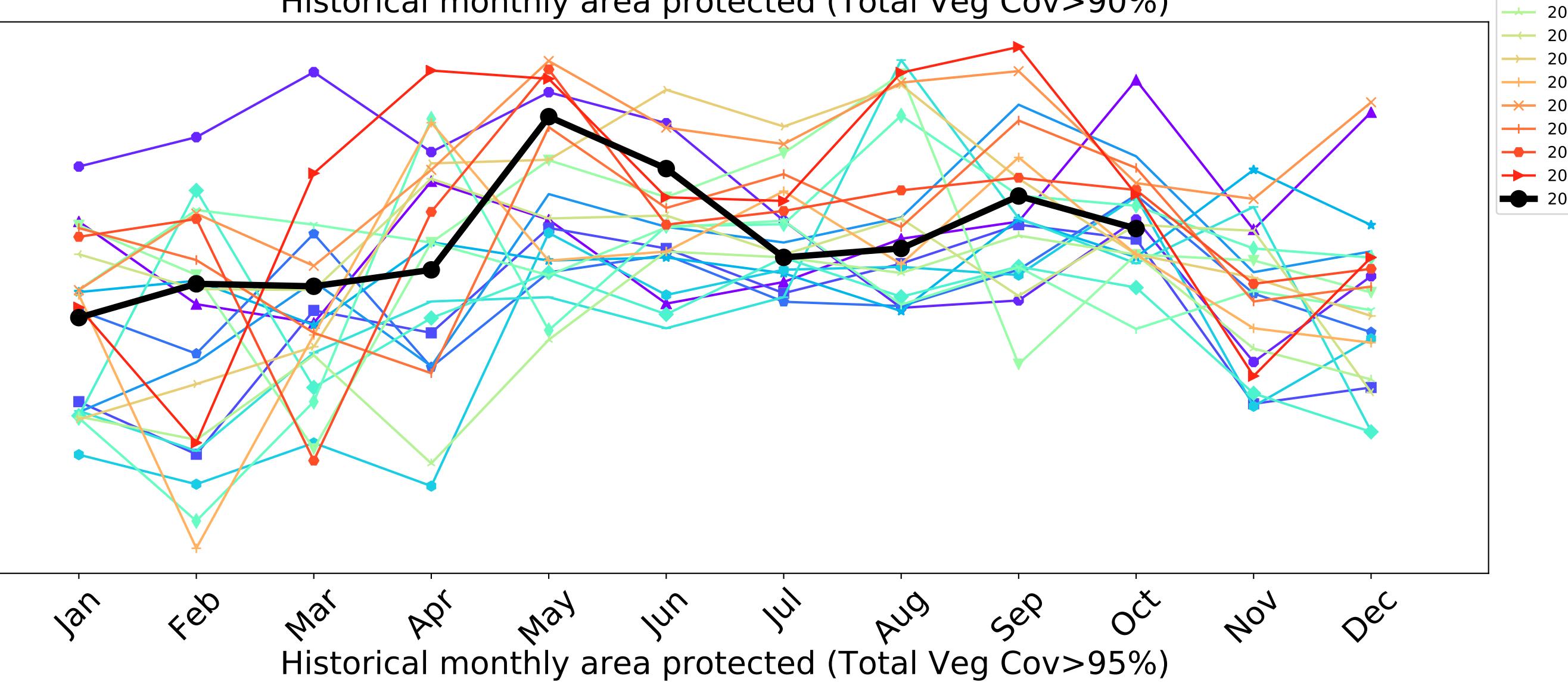
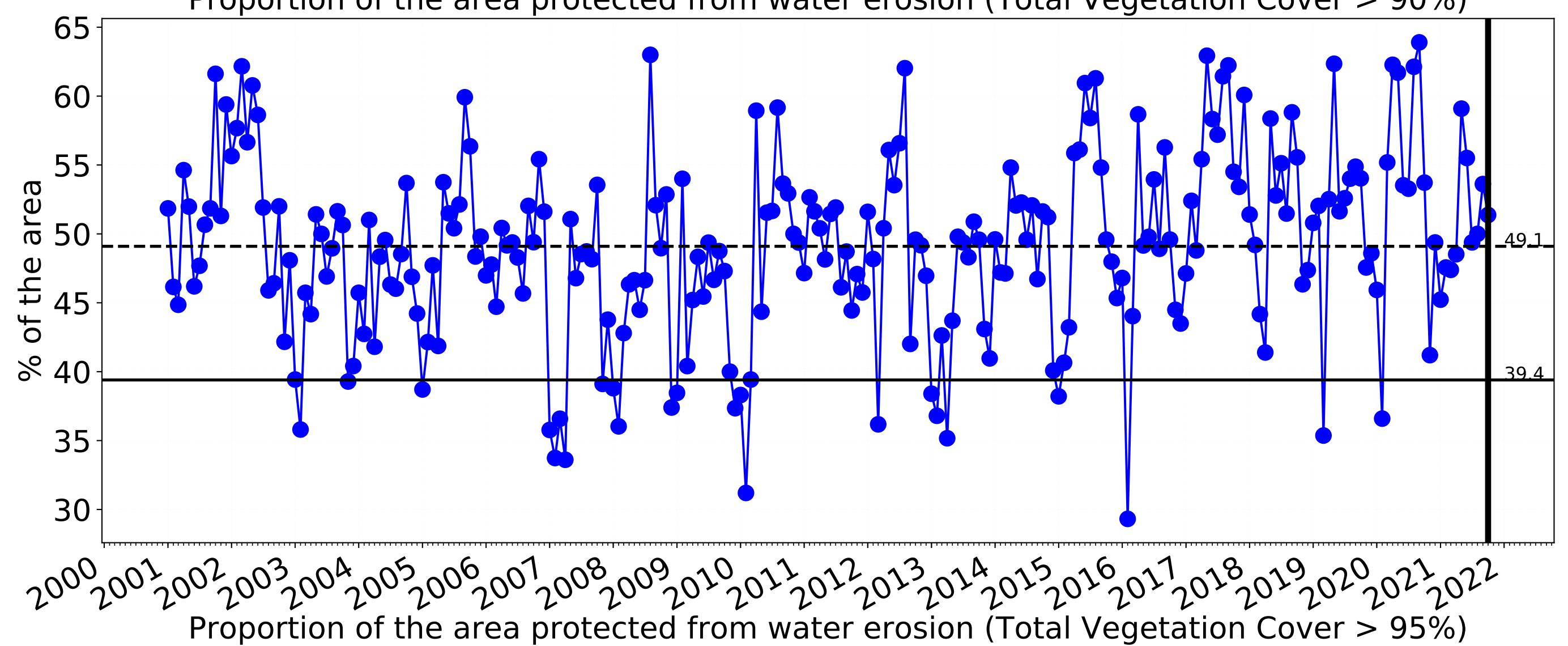
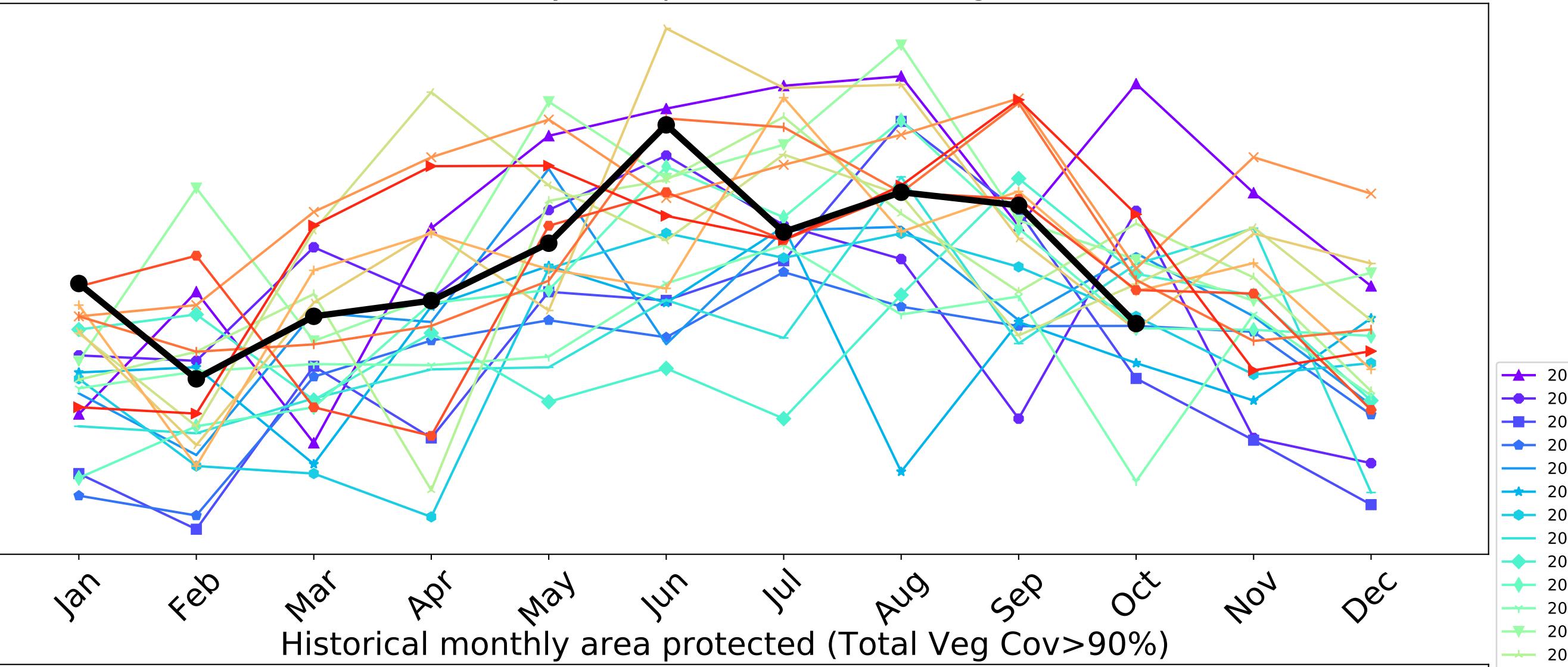
Water erosion historical monthly area protected (Total Veg Cov>70%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)

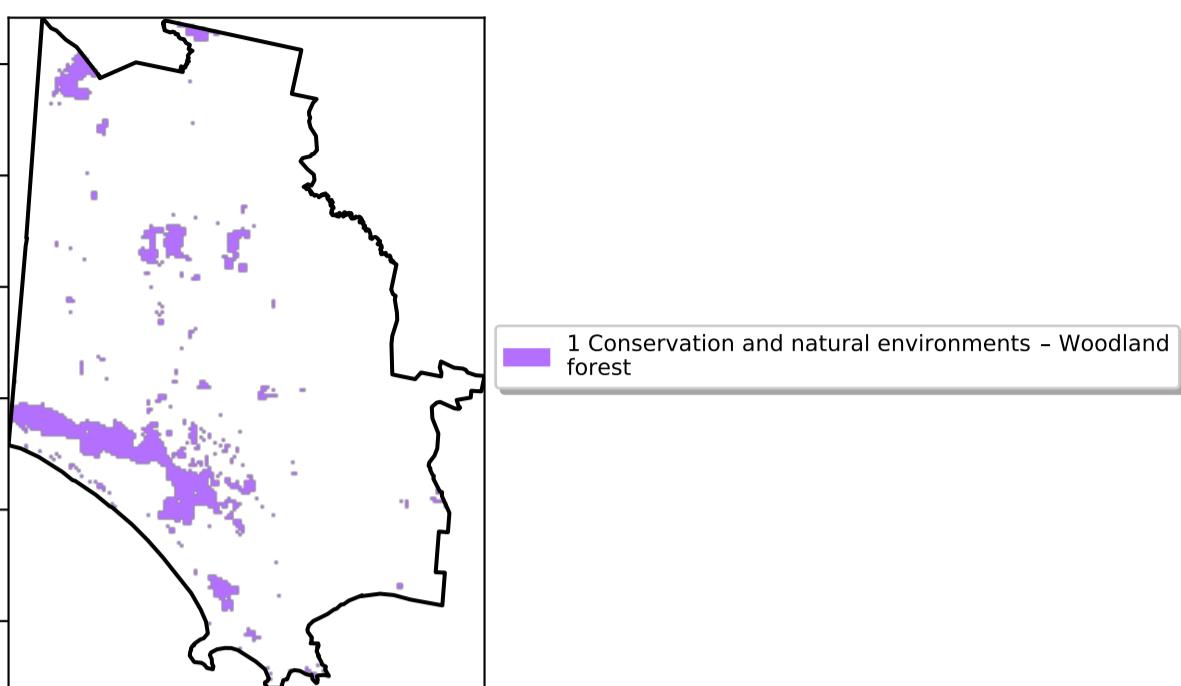


Historical monthly area protected (Total Veg Cov>80%)

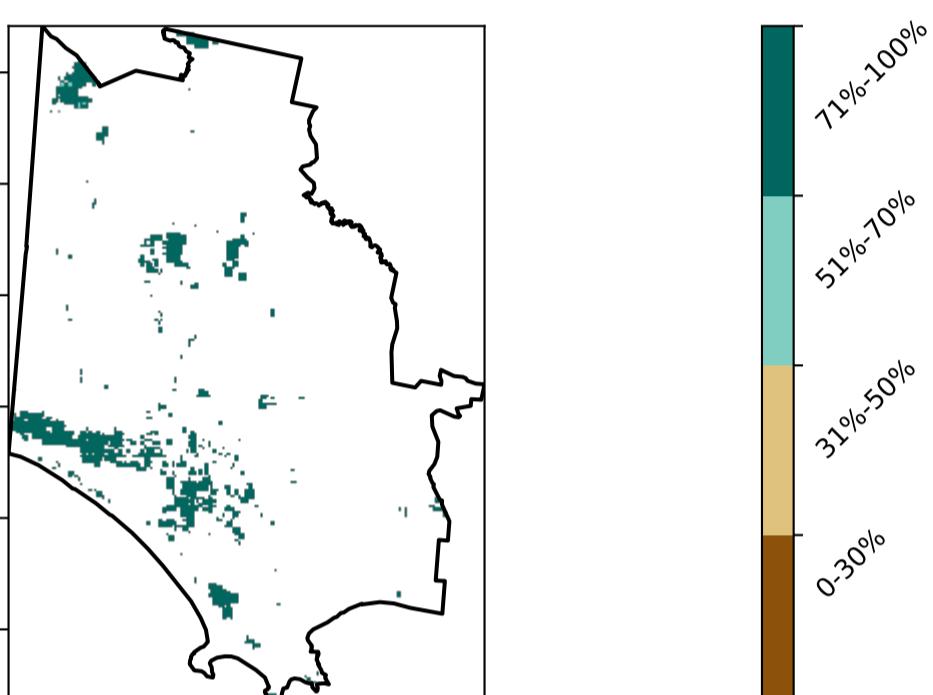


# Conservation and natural environments Woodland forest

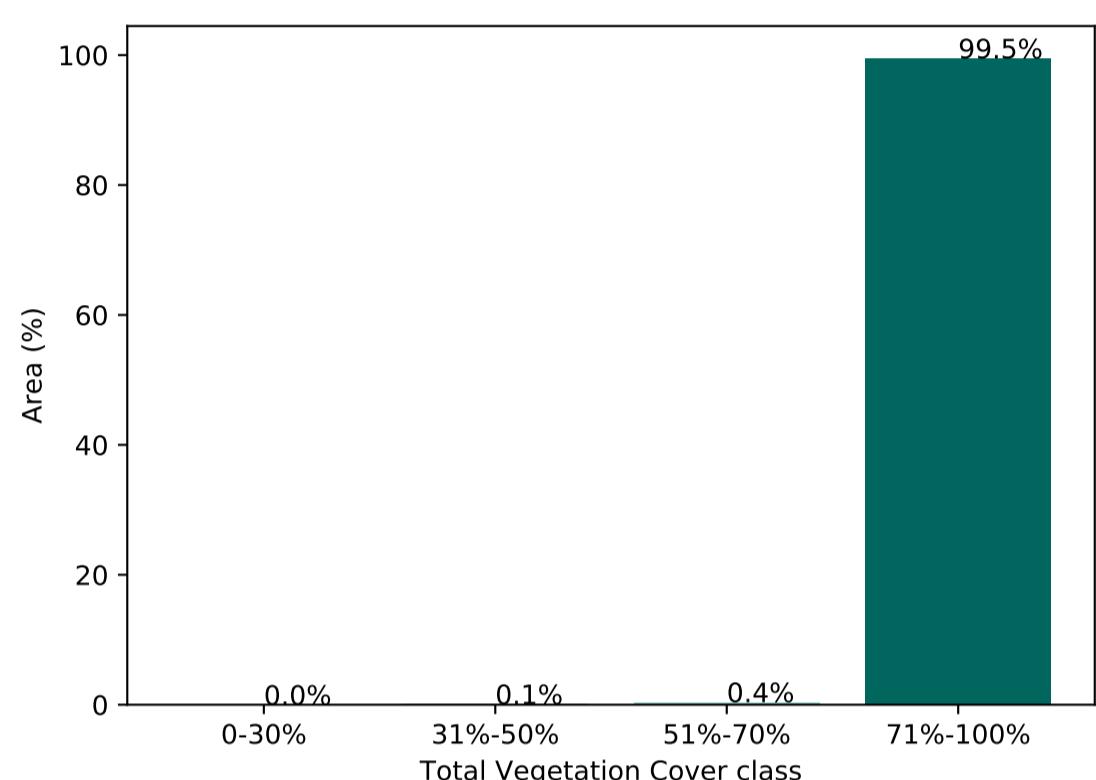
**Land use and forest cover**



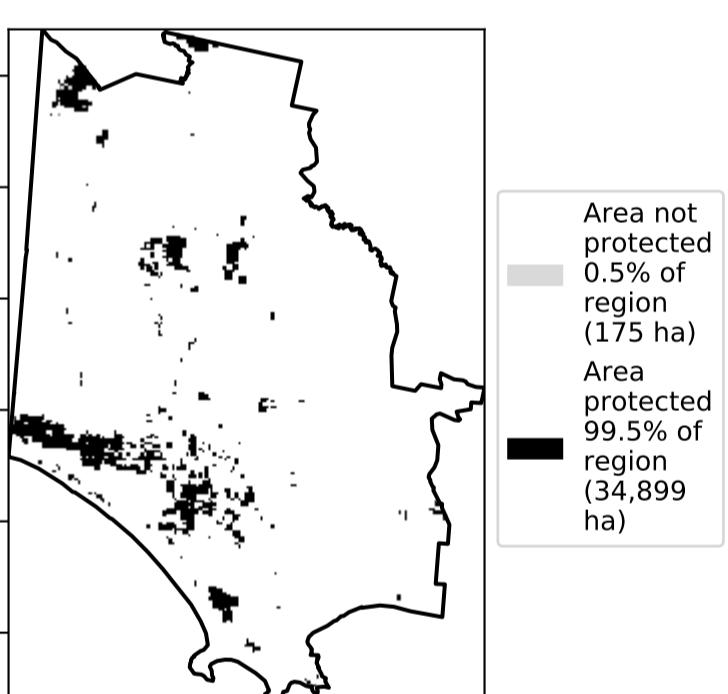
**Total Vegetation Cover [%]**



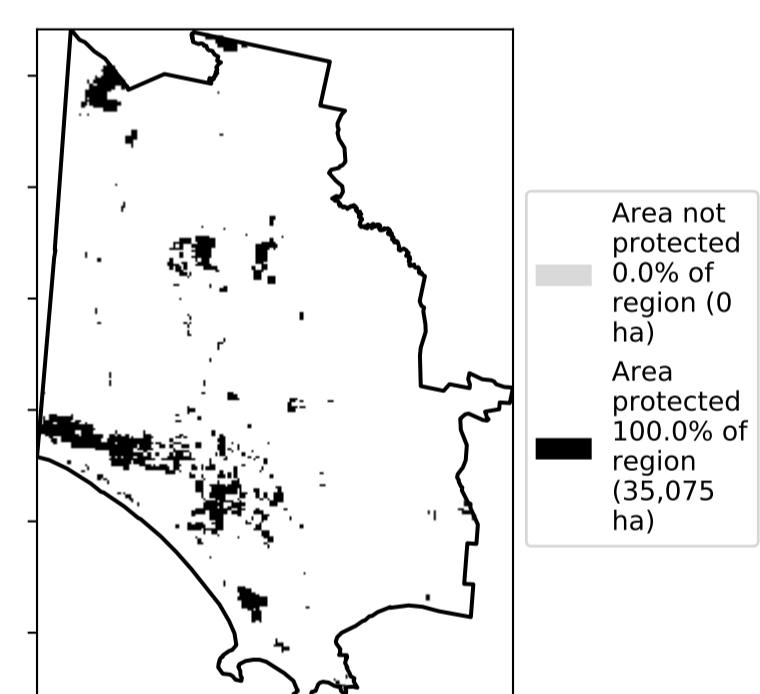
**Proportion of vegetation cover class in area**



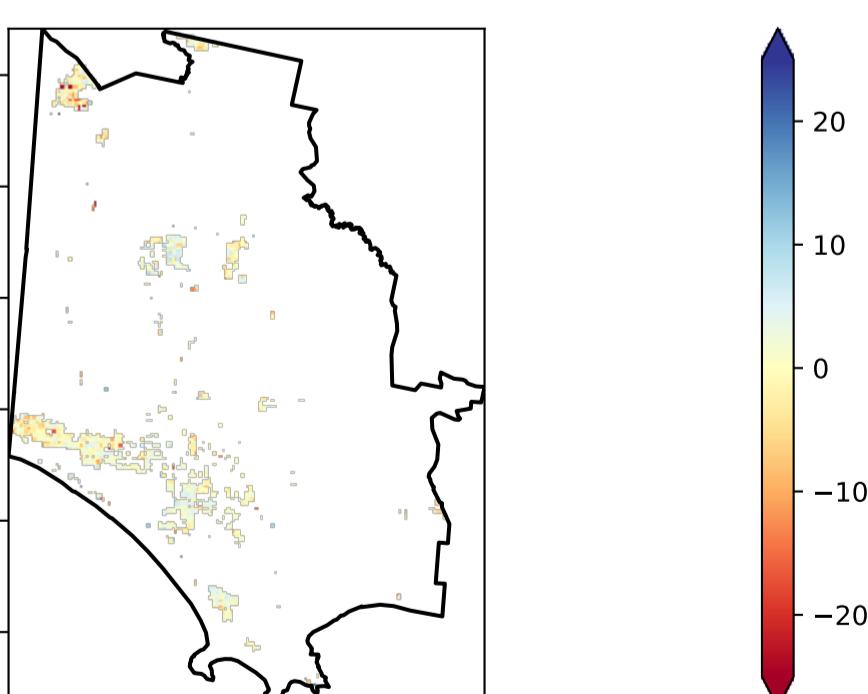
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

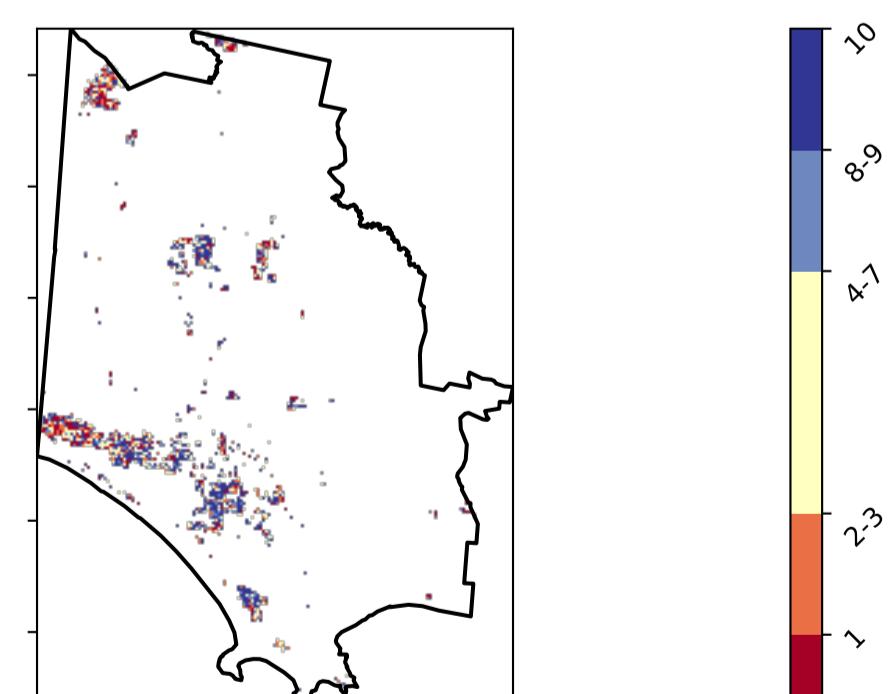


**Total Vegetation Cover Anomaly [%]**



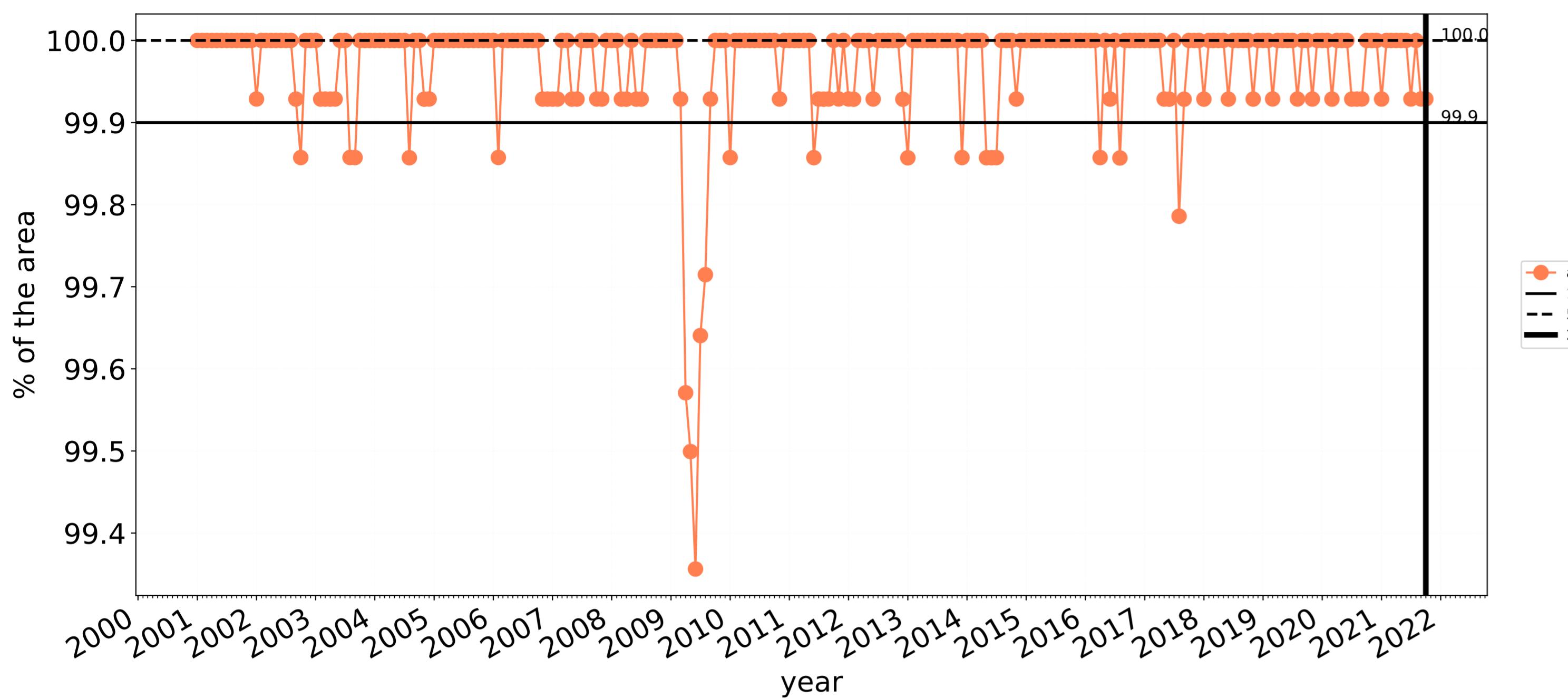
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**Total Vegetation Cover Decile [%]**

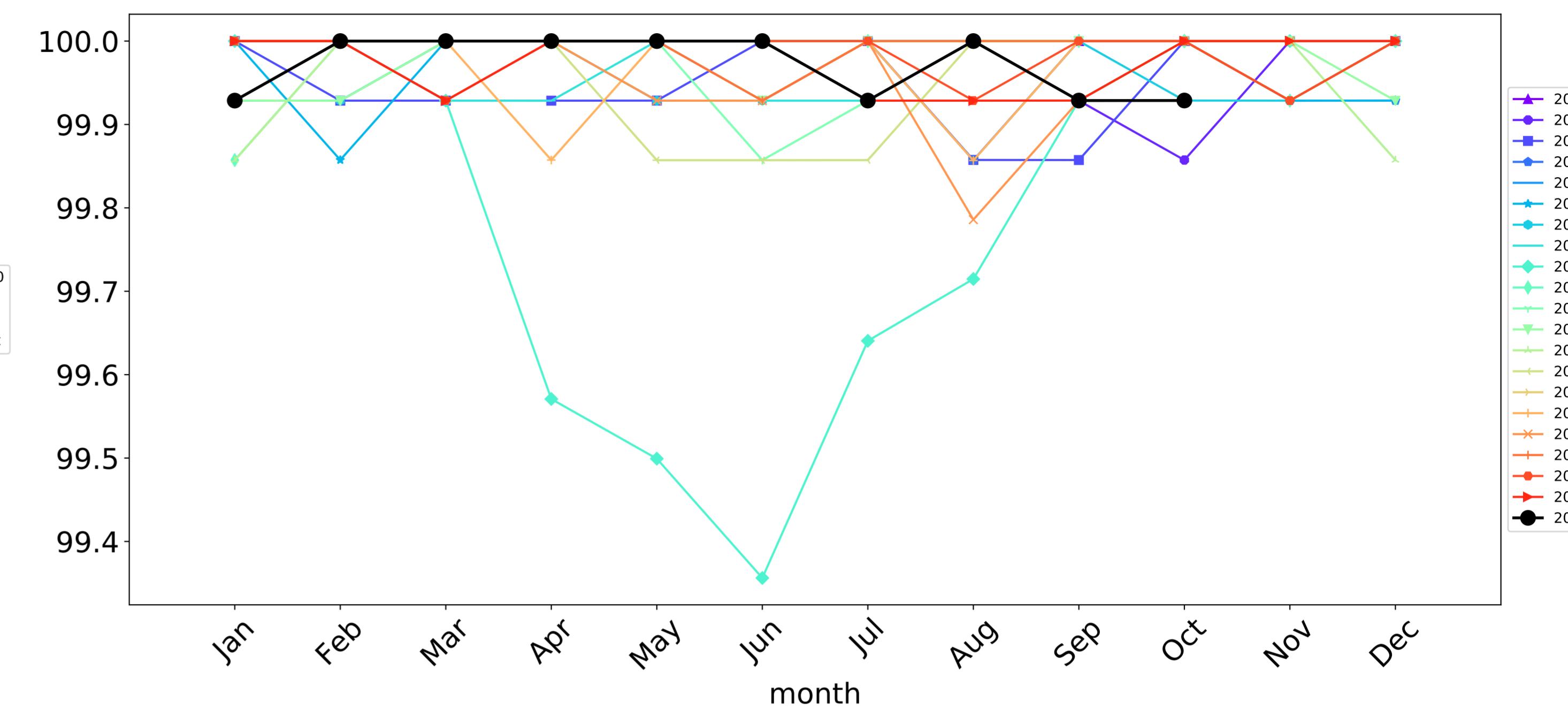


## Conservation and natural environments Woodland forest timeseries

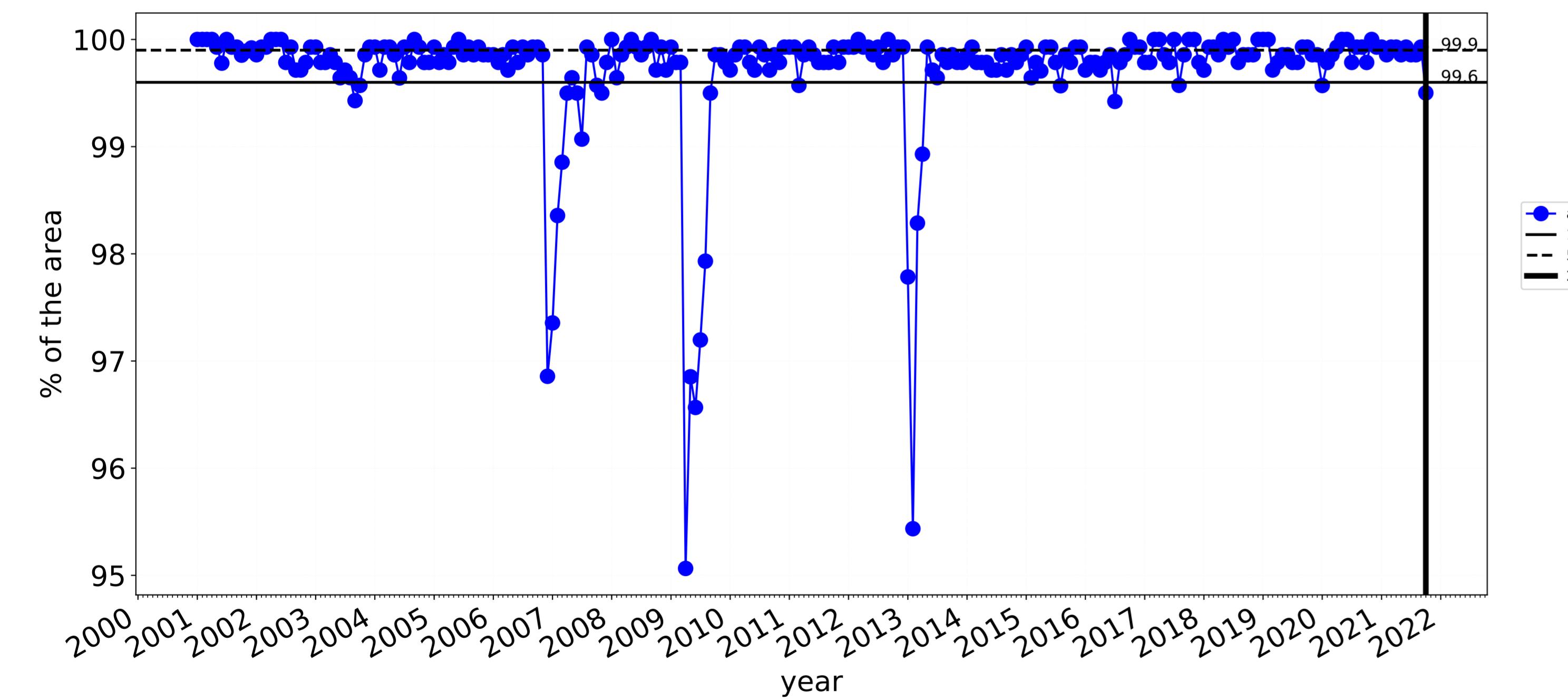
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



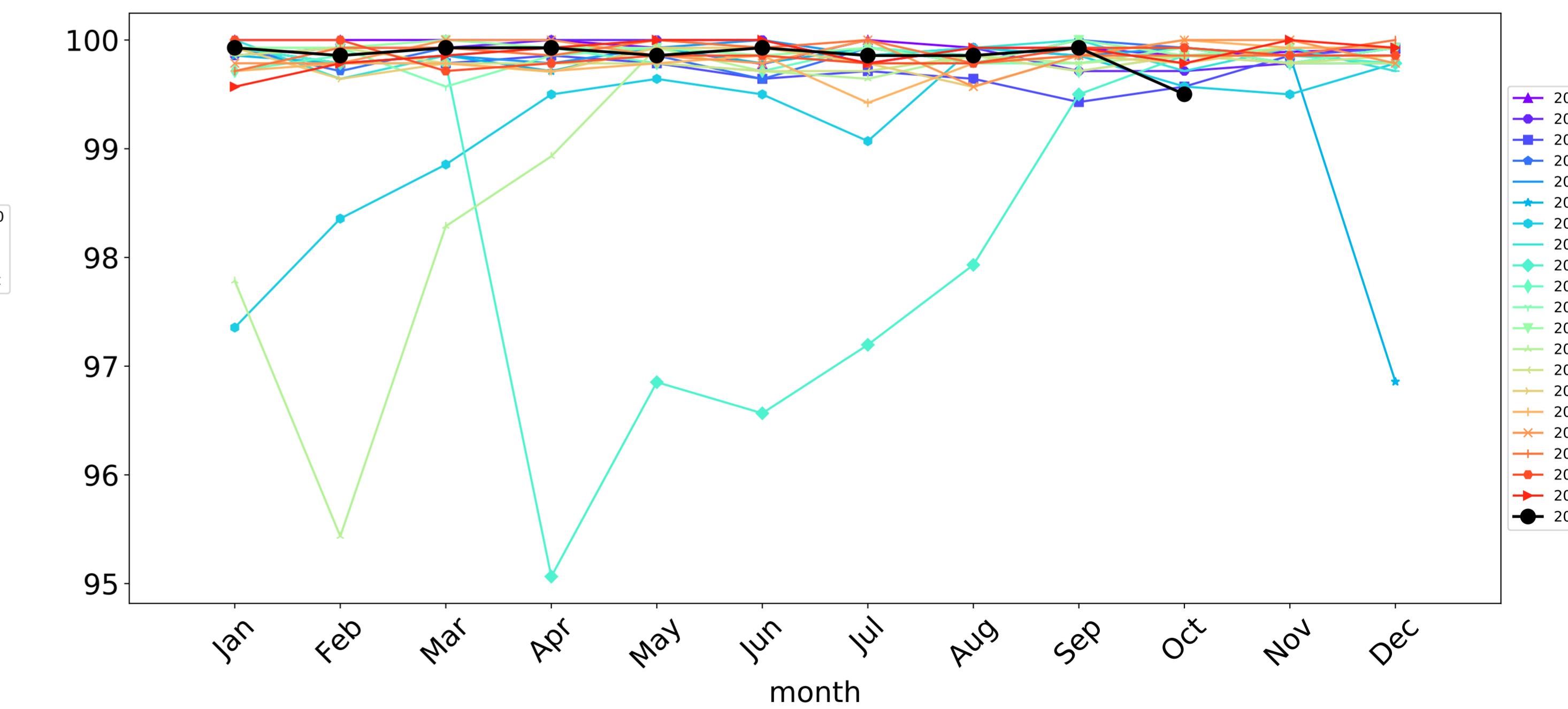
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



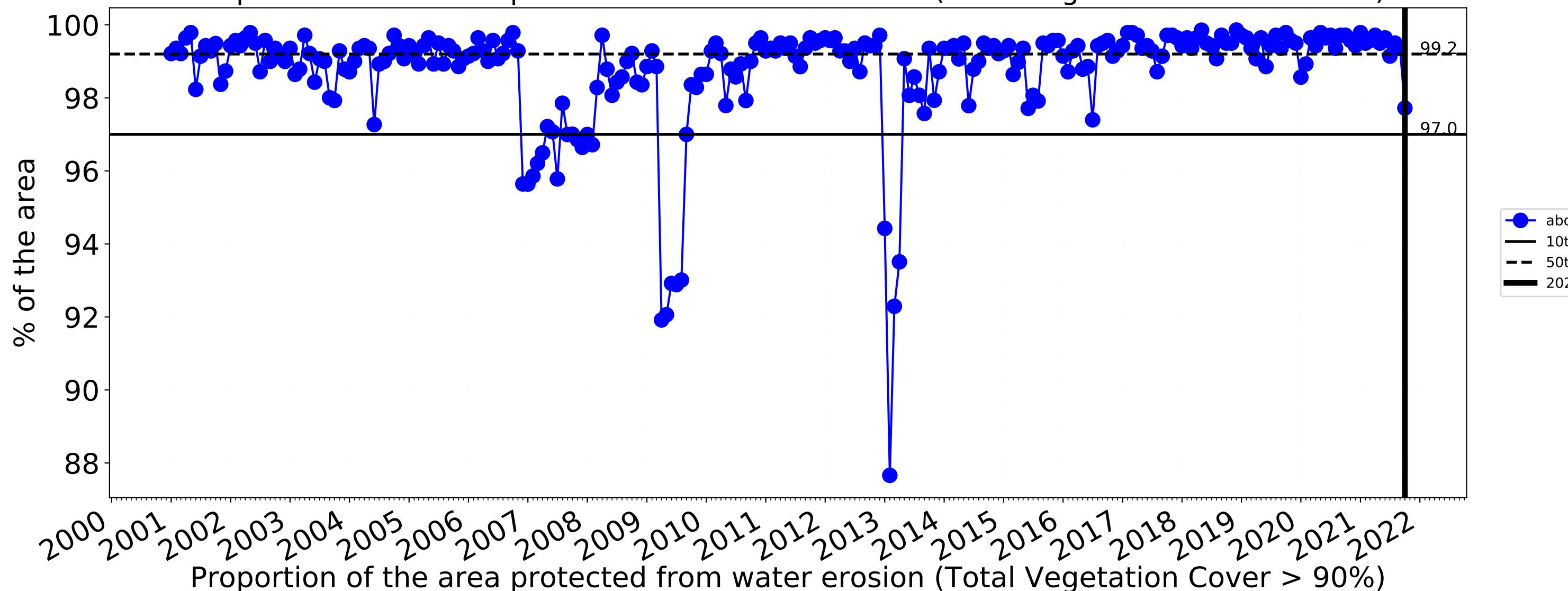
**tern**  
Ecosystem Research Infrastructure



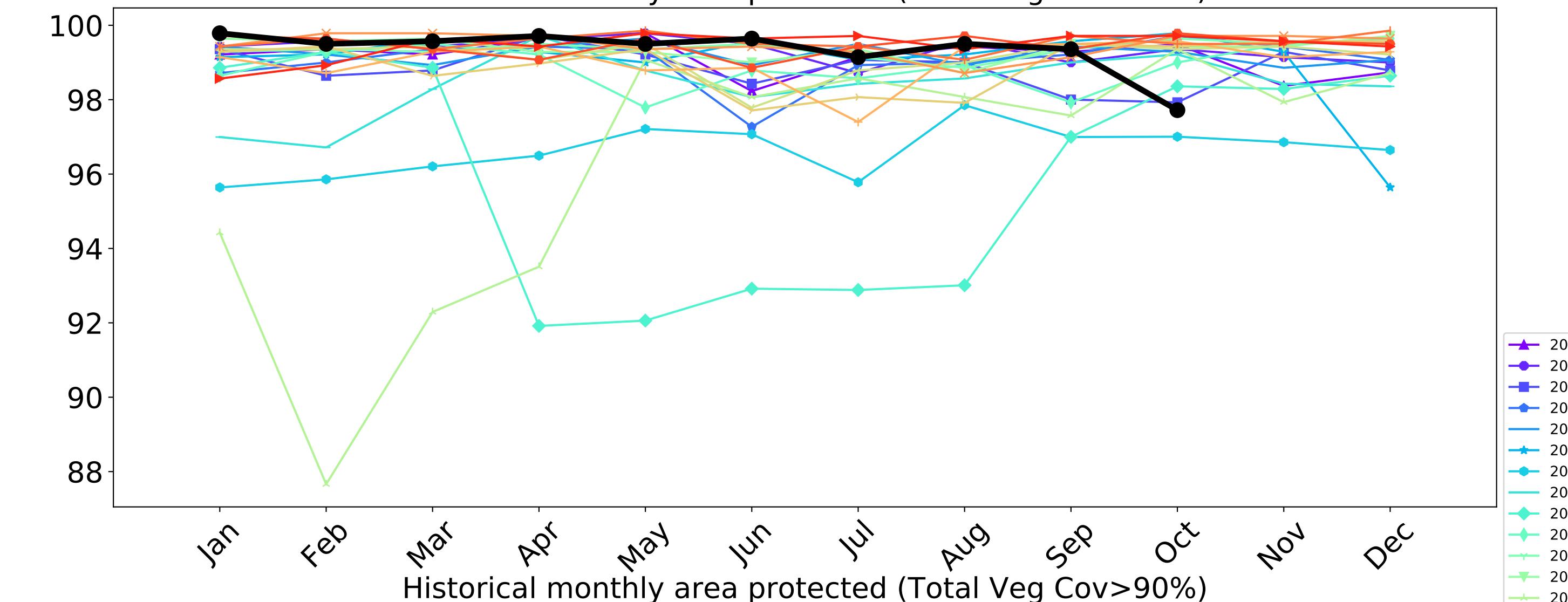
National  
Landcare  
Programme



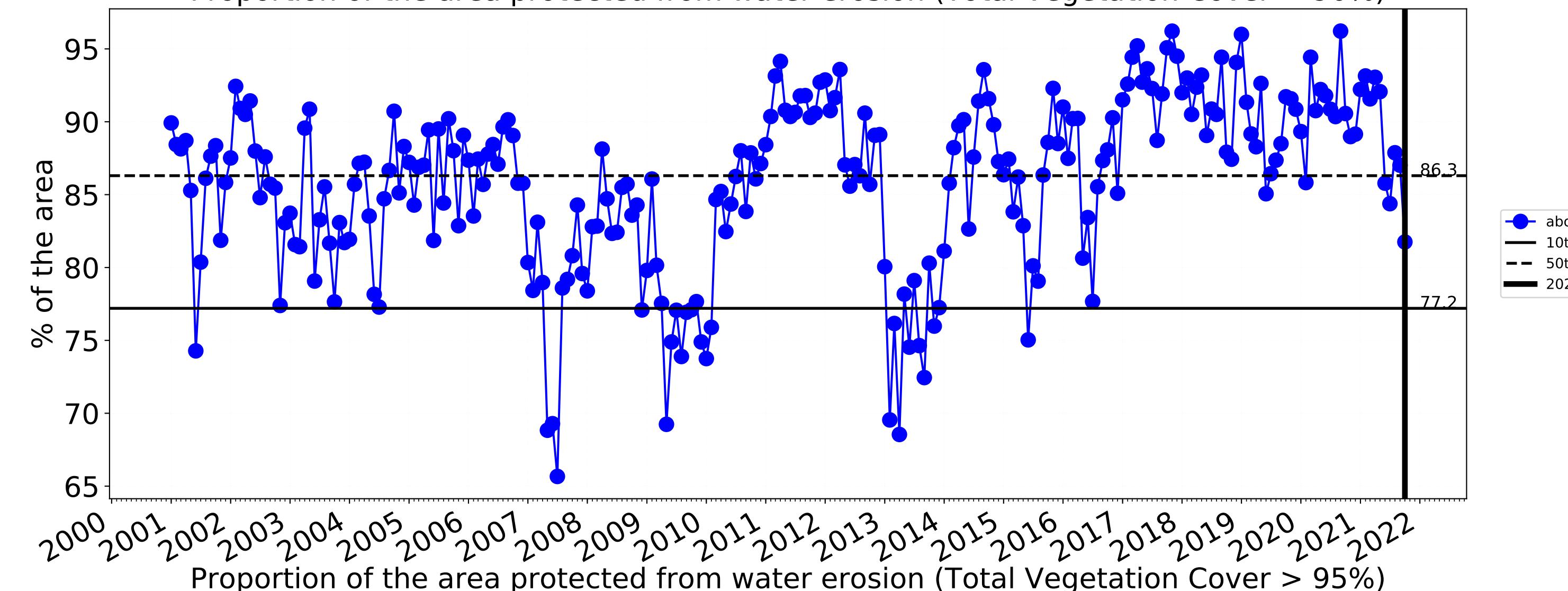
Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



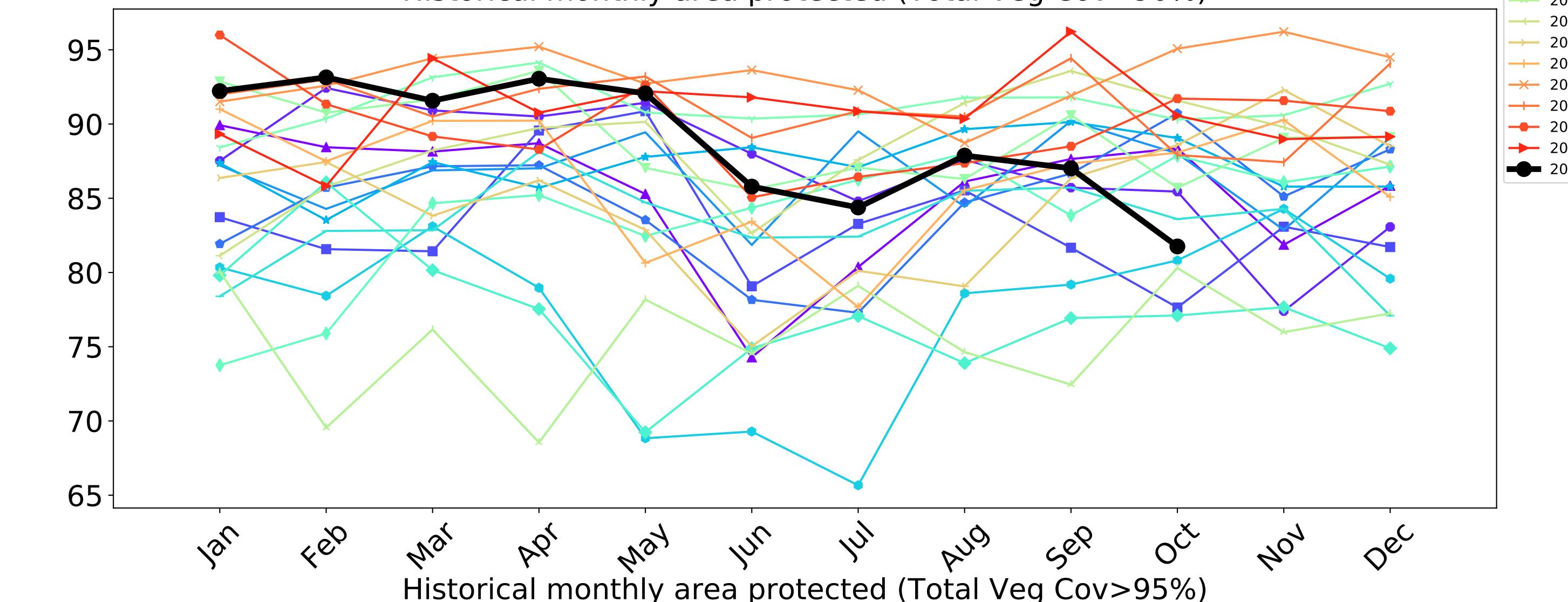
Historical monthly area protected (Total Veg Cov>80%)



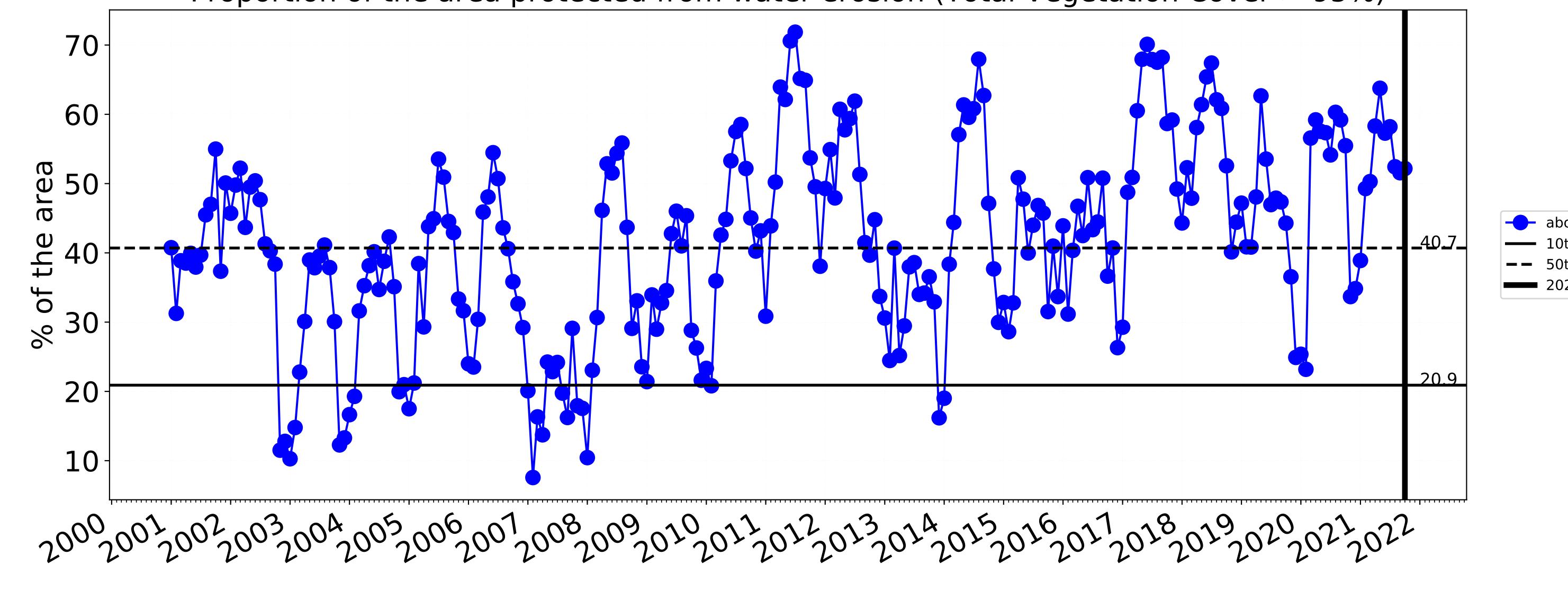
Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)



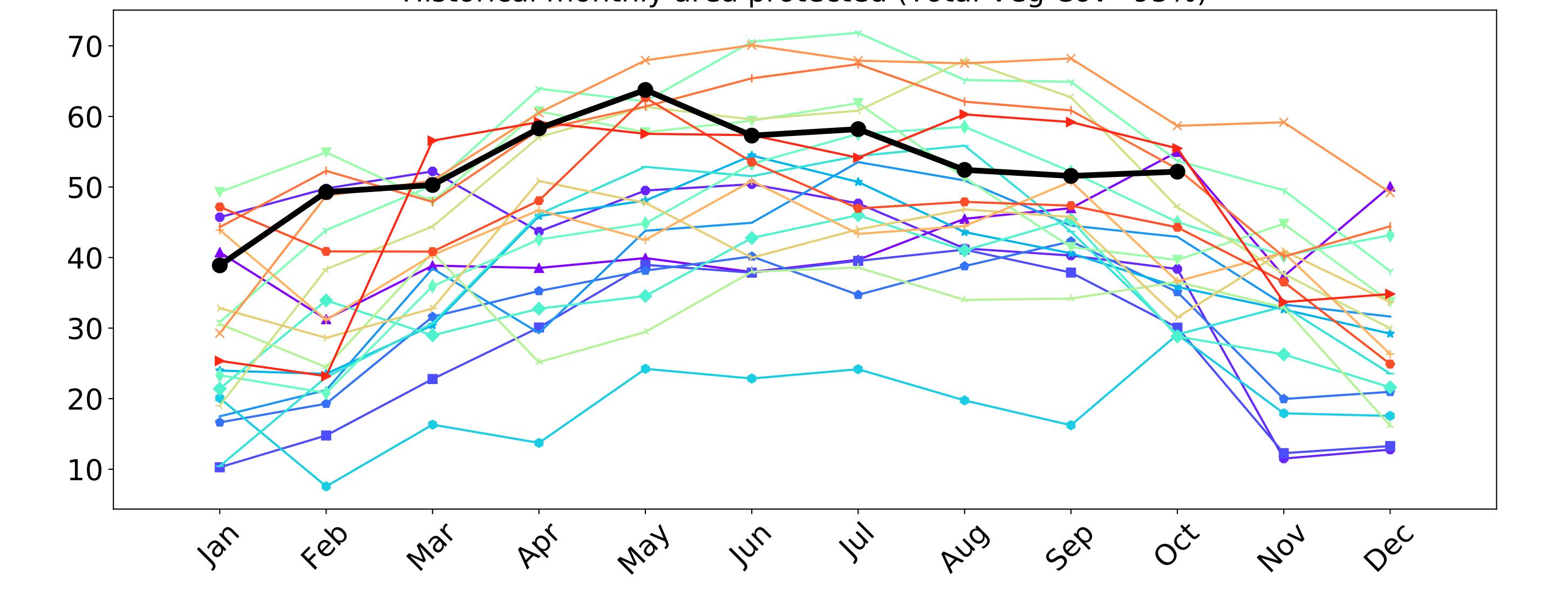
Historical monthly area protected (Total Veg Cov>90%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)



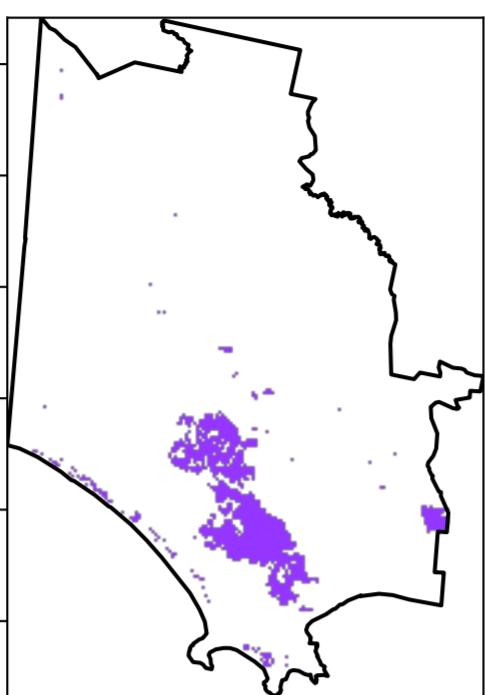
Historical monthly area protected (Total Veg Cov>95%)



# Conservation and natural environments Forest (non woodland)

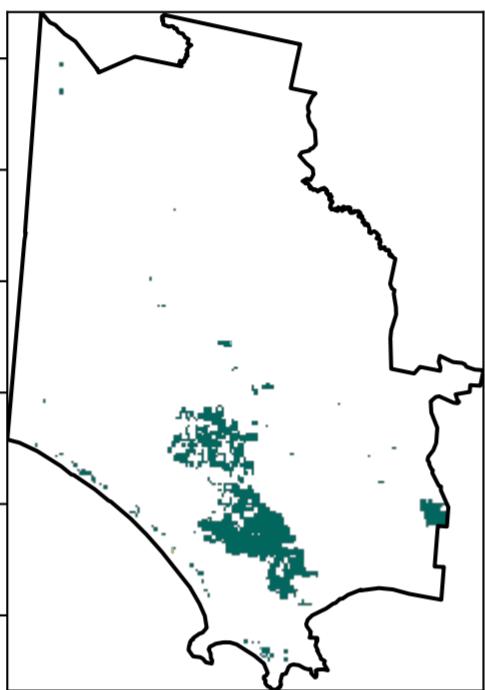
**Land use and forest cover**

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



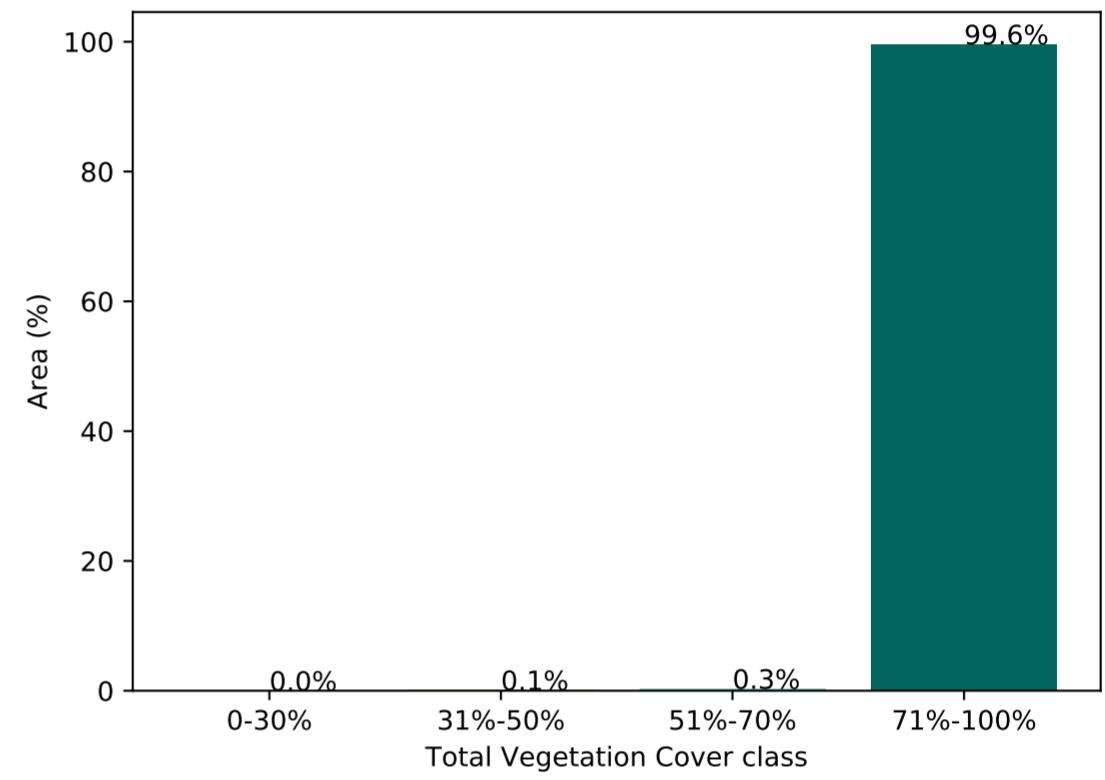
1 Conservation and natural environments - Non-woodland forest

**Total Vegetation Cover [%]**

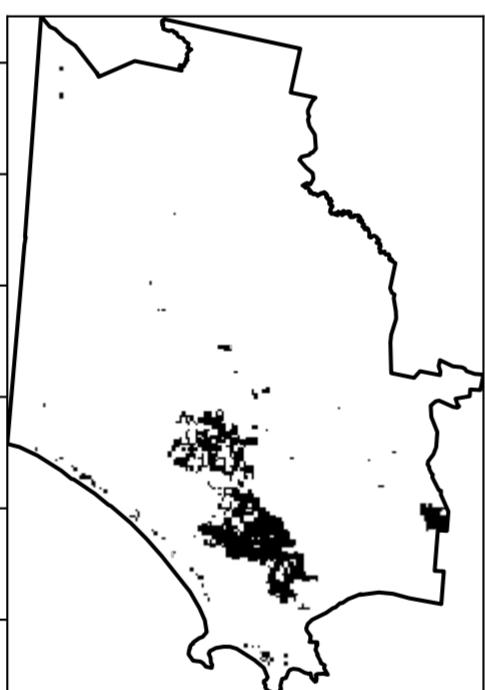


71%-100%  
51%-70%  
31%-50%  
0-30%

**Proportion of vegetation cover class in area**

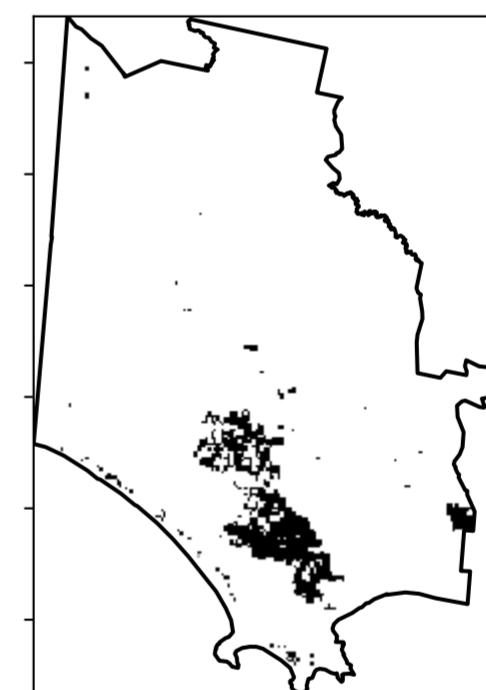


**% Area protected from water erosion (>70%)**



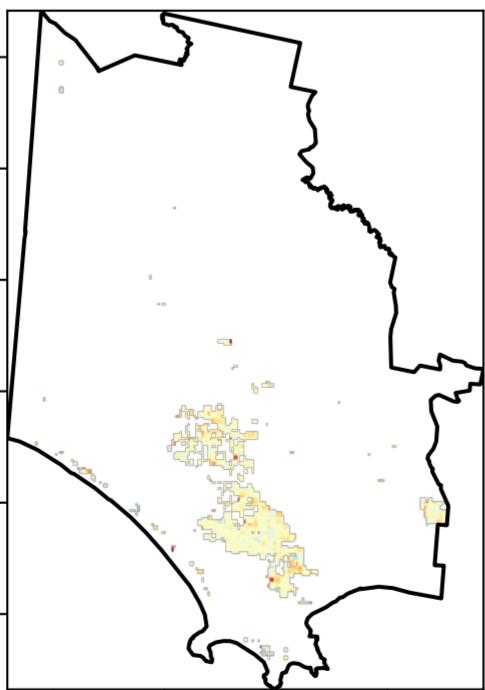
Area not protected 0.4% of region (115 ha)  
Area protected 99.6% of region (28,834 ha)

**% Area protected from wind erosion (>50%)**



Area not protected 0.0% of region (0 ha)  
Area protected 100.0% of region (28,950 ha)

**Total Vegetation Cover Anomaly [%]**

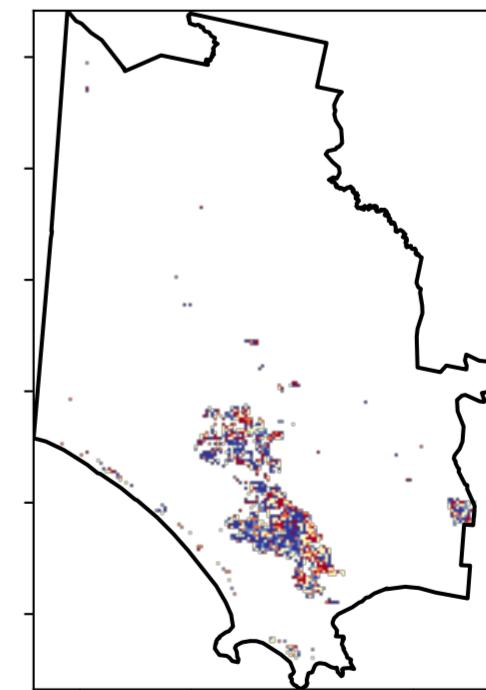


Anomaly shows how many percentage points each pixel is from the mean. That is, red pixels are about 20% lower than the mean of that pixel. The mean is only for the month of the map using baseline from 2001 to 2019.

20  
10  
0  
-10  
-20

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 [%]**



10  
8.9  
7.1  
5.3  
3.5  
1.7  
0.9  
-0.1  
-1.7  
-3.5



Ecosystem Research Infrastructure

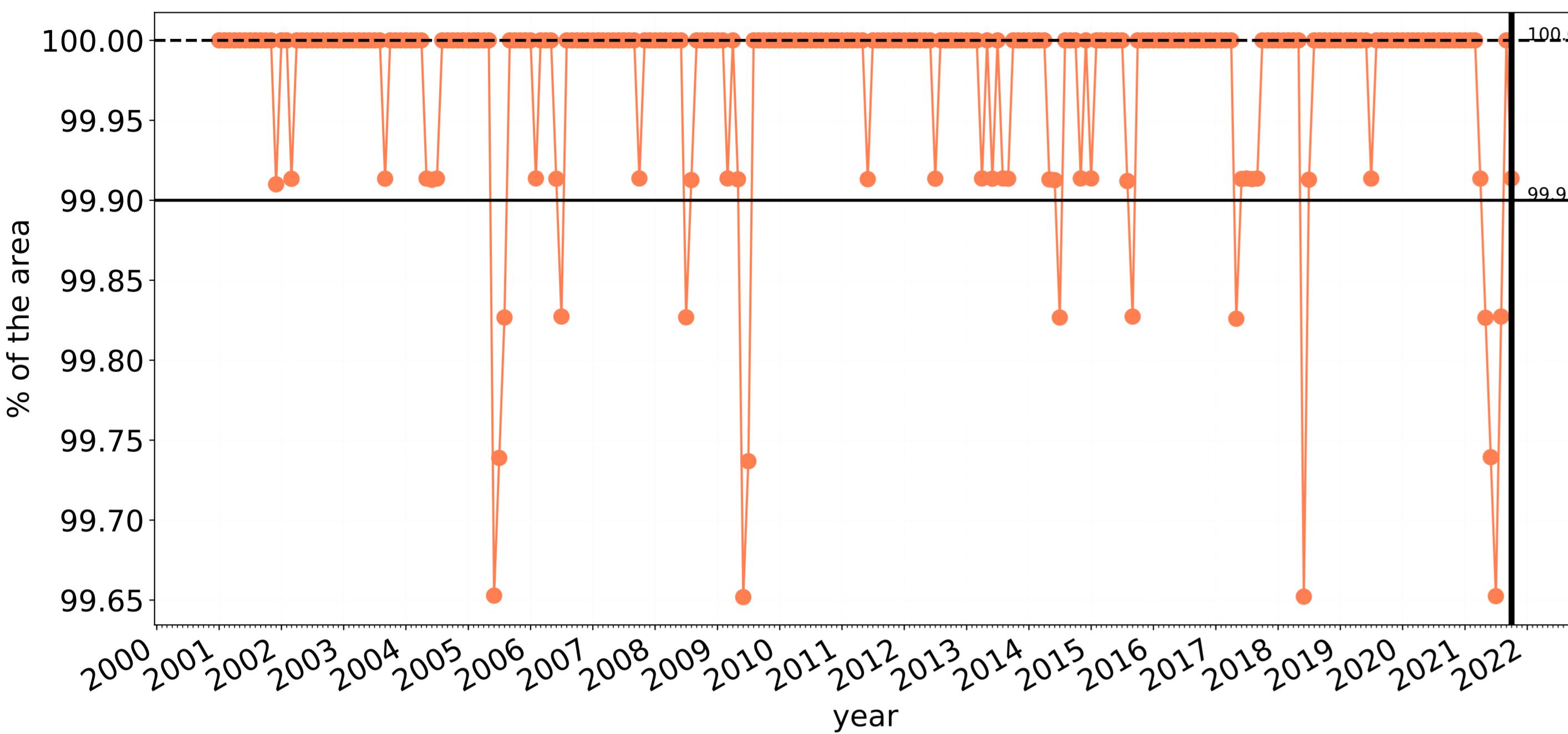


Australian Government

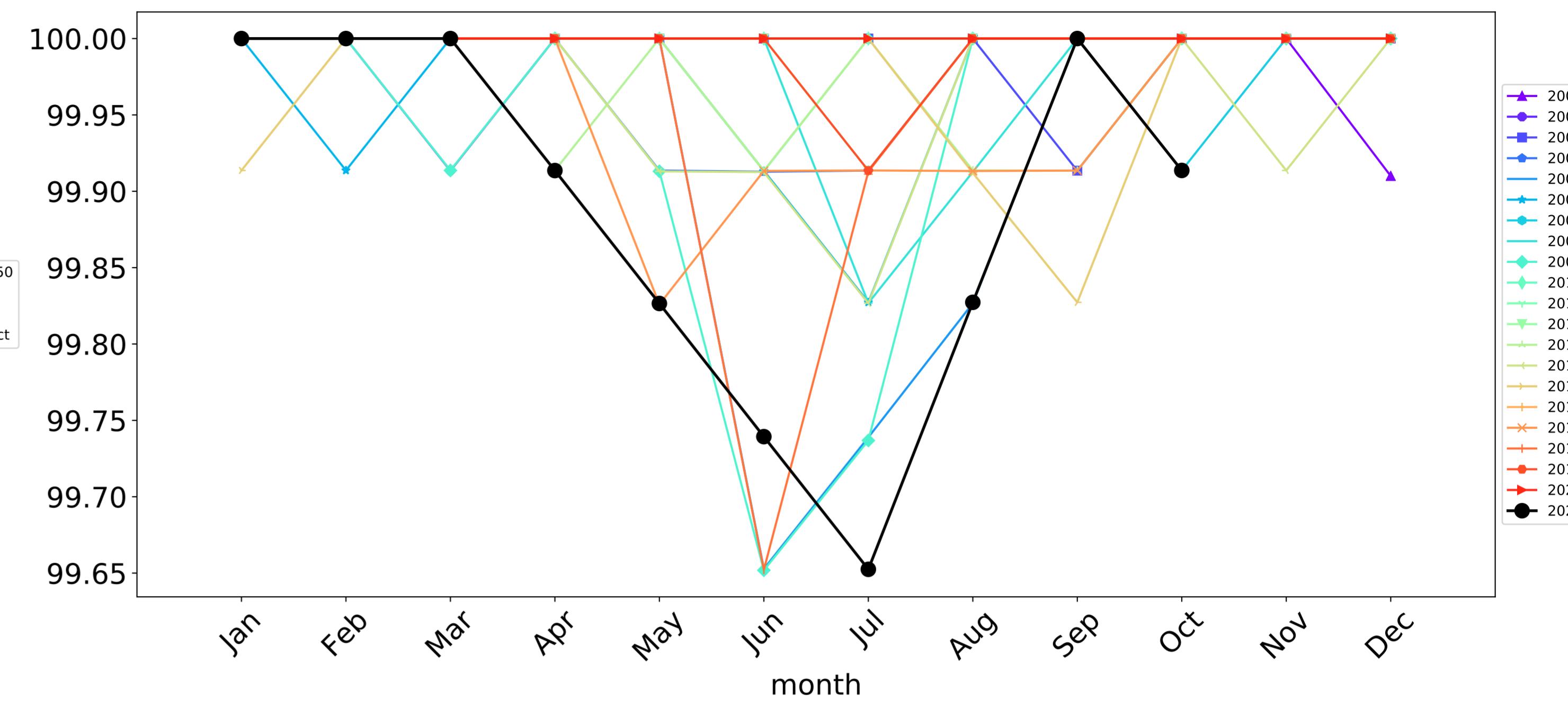


## Conservation and natural environments Forest (non woodland) timeseries

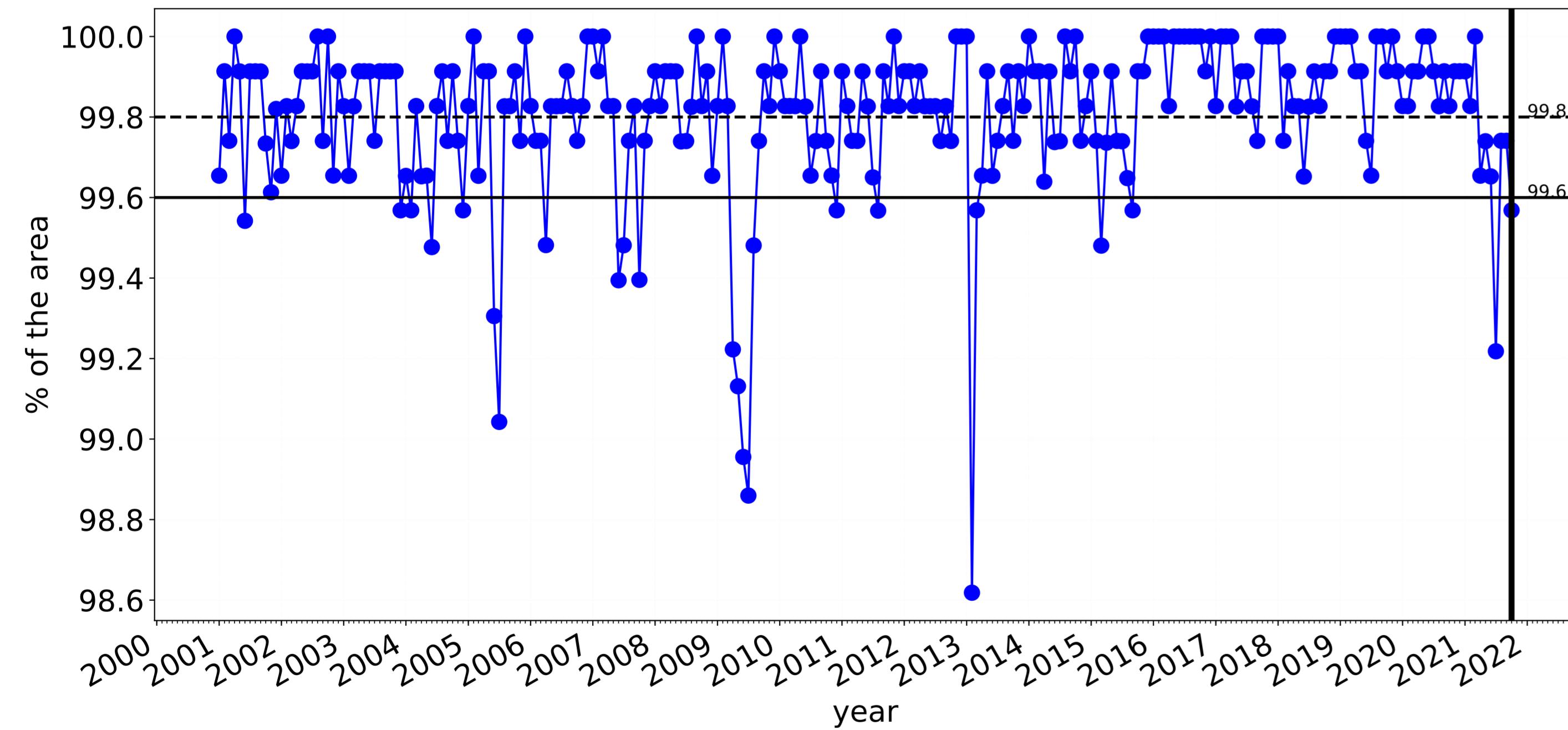
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



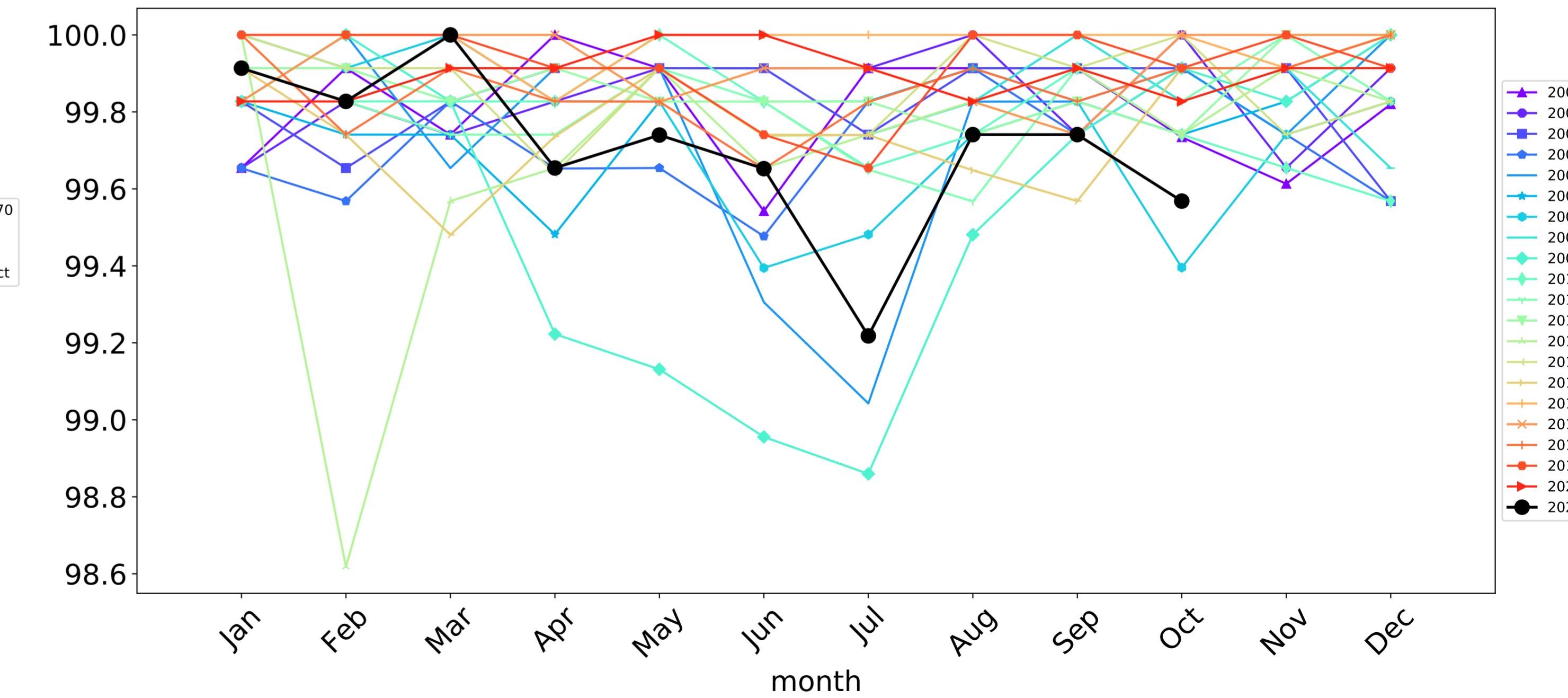
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



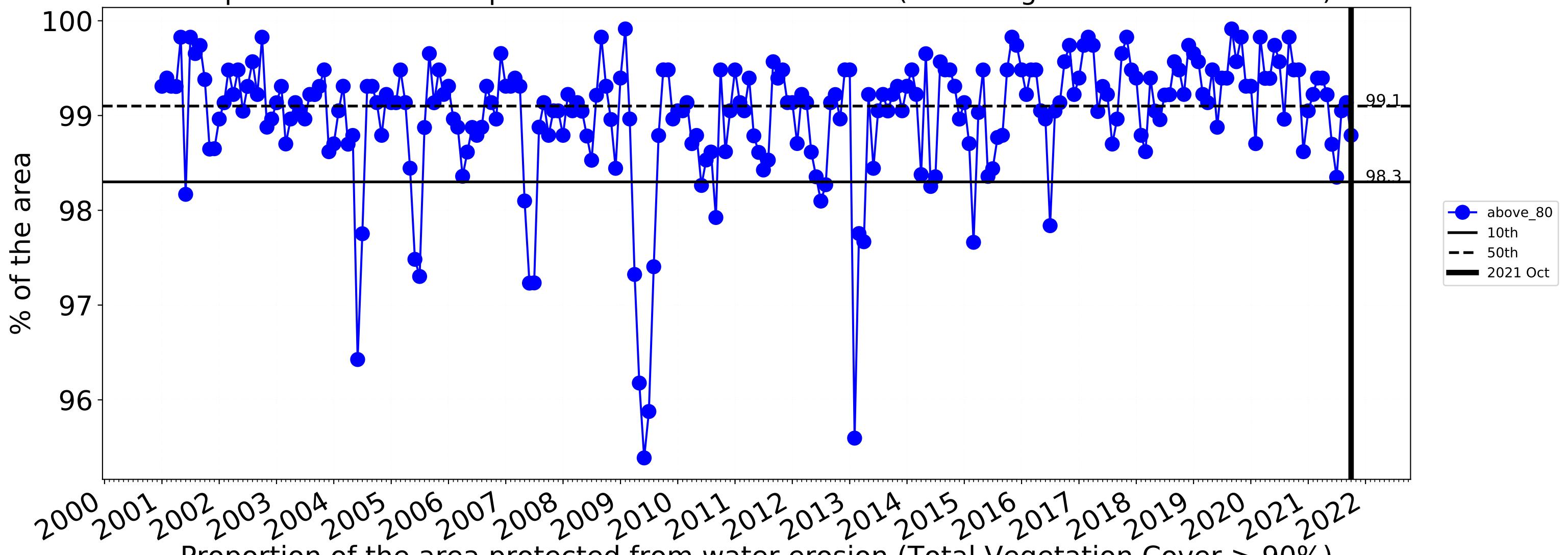
**tern**  
Ecosystem Research Infrastructure



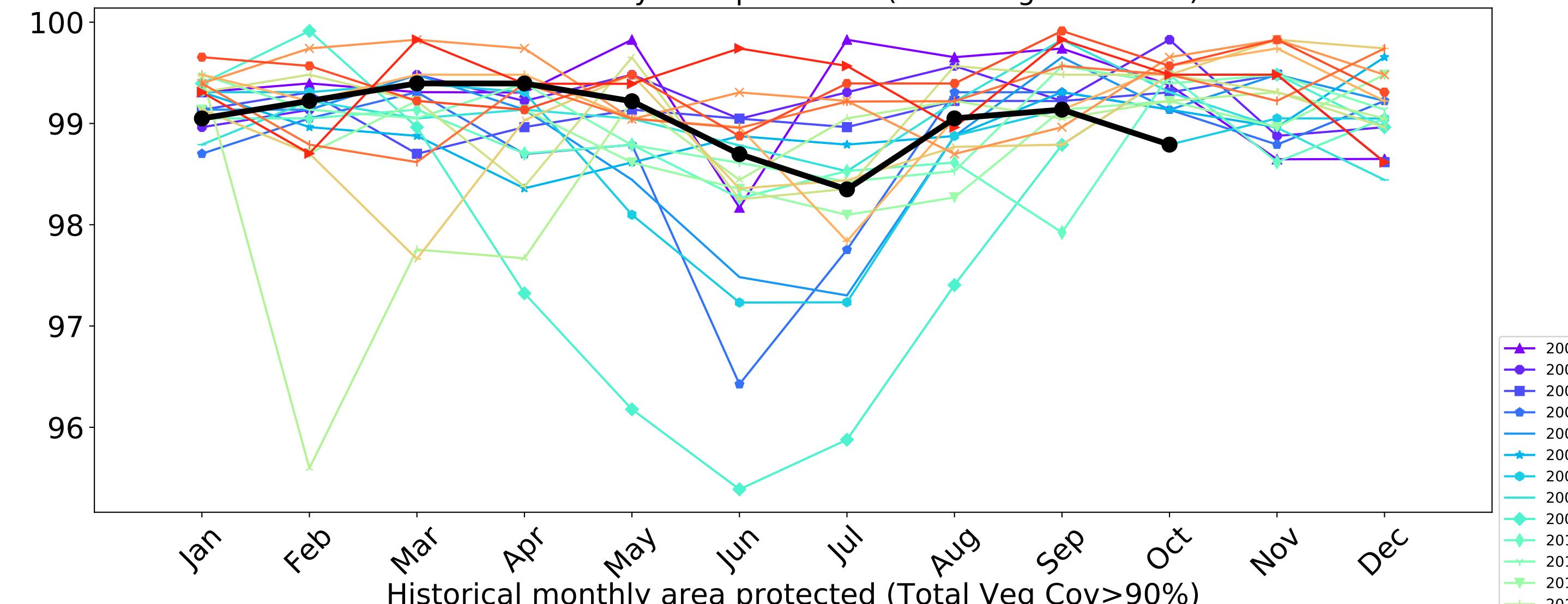
National  
Landcare  
Programme



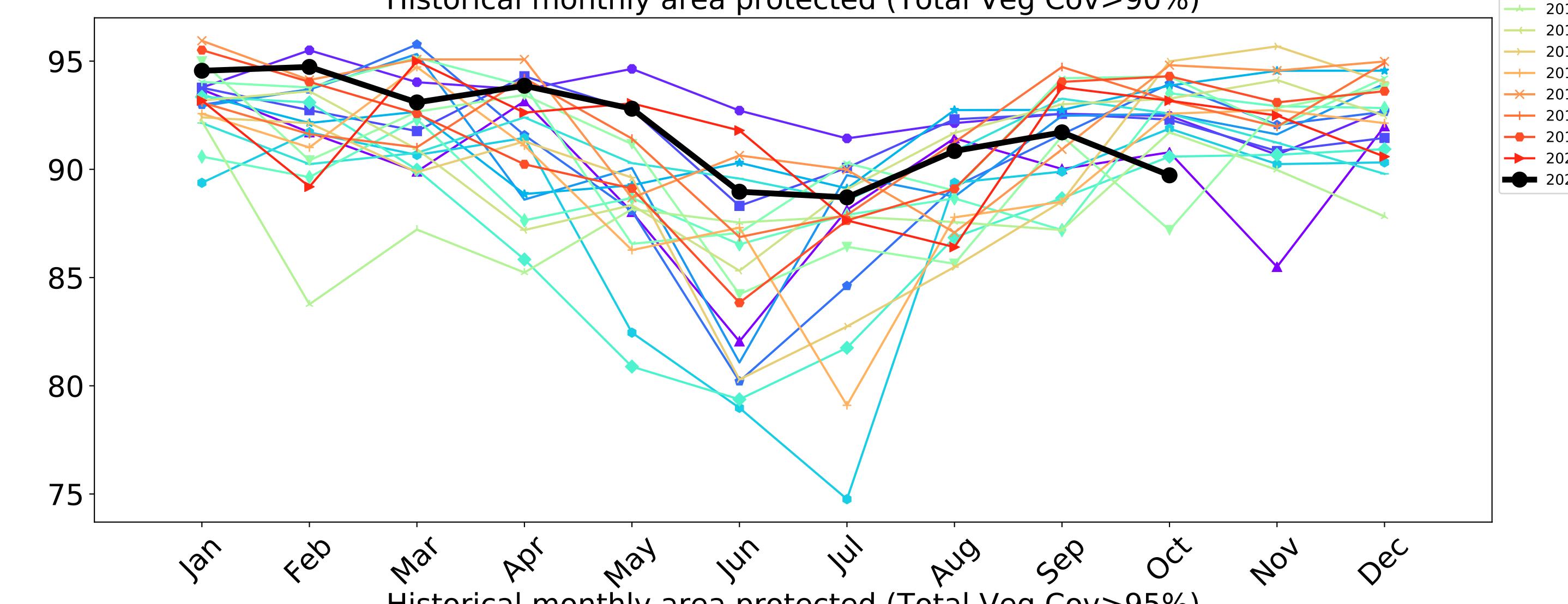
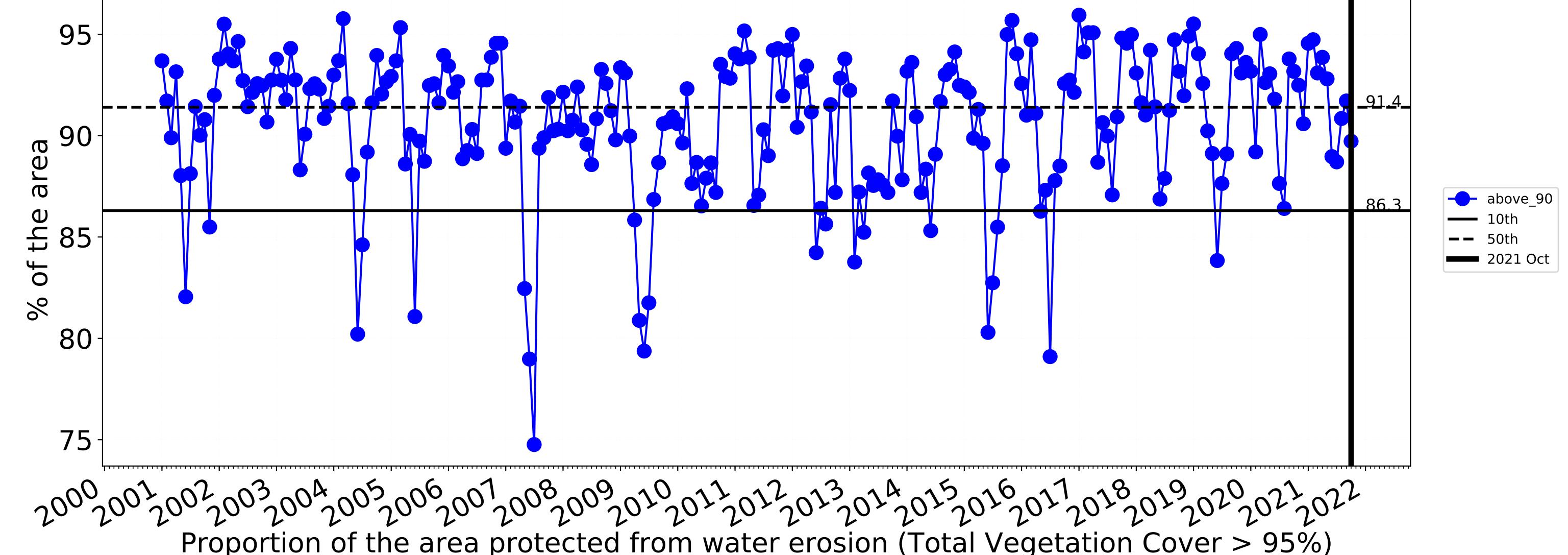
Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



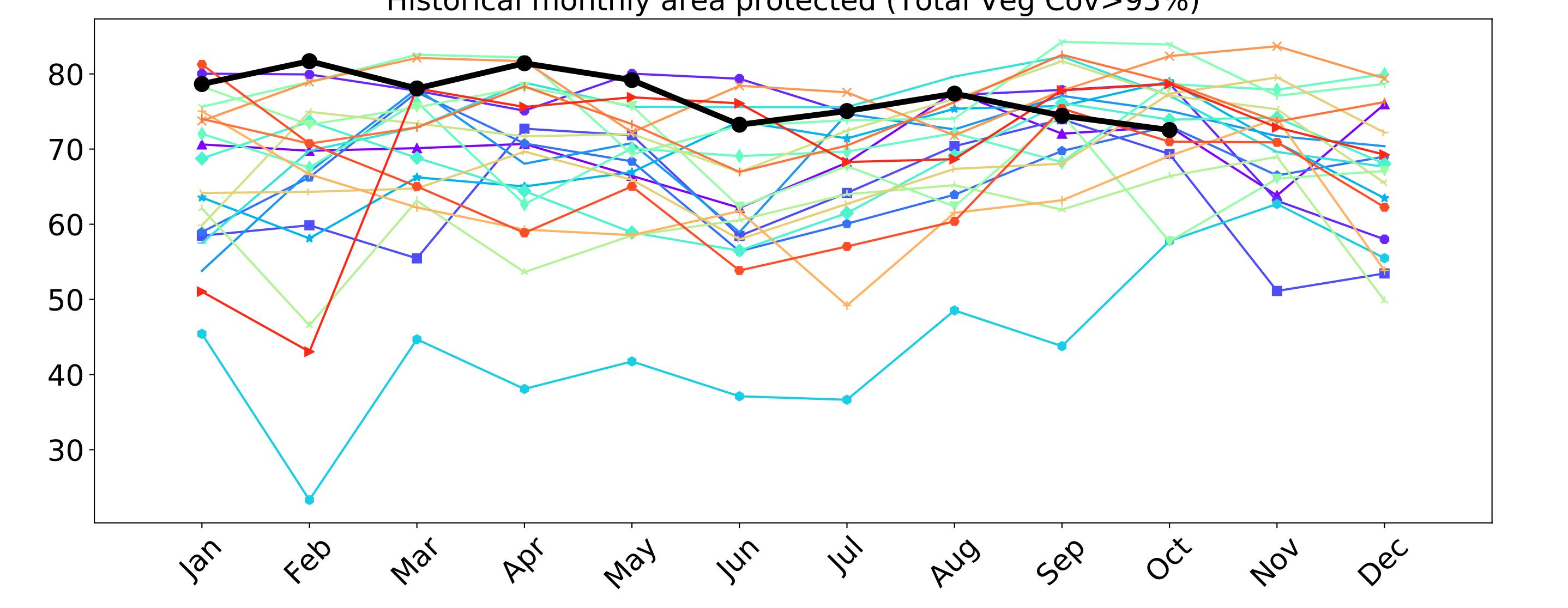
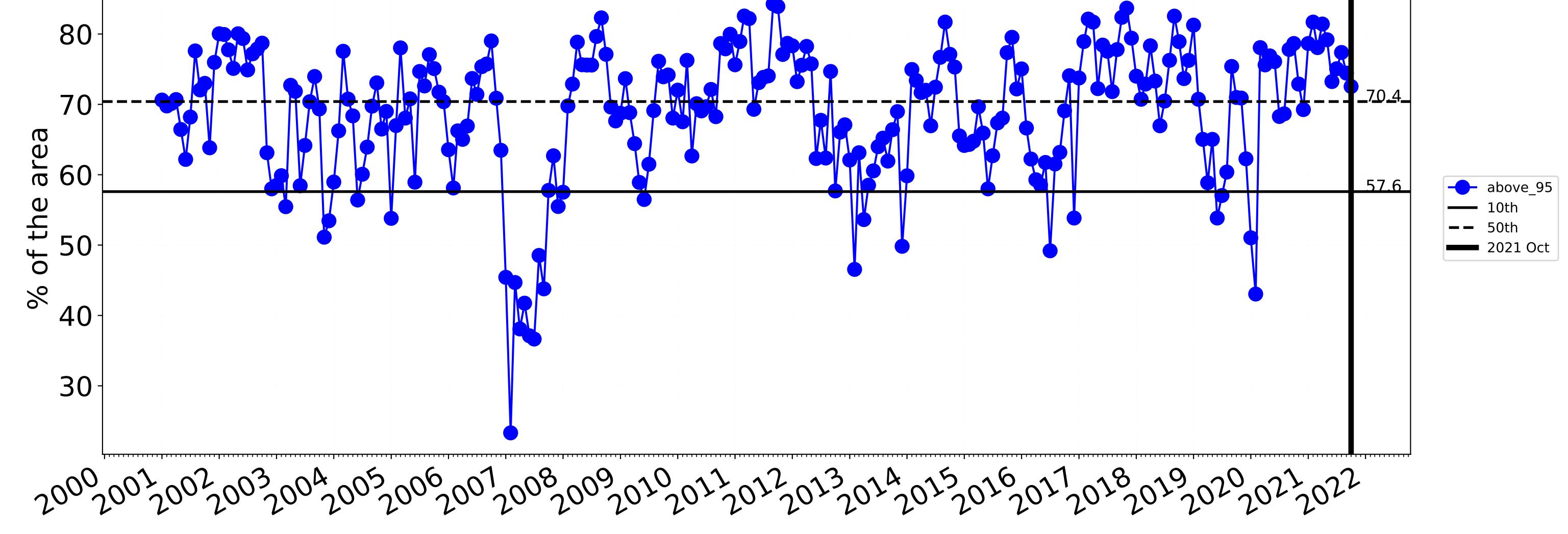
Historical monthly area protected (Total Veg Cov>80%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)

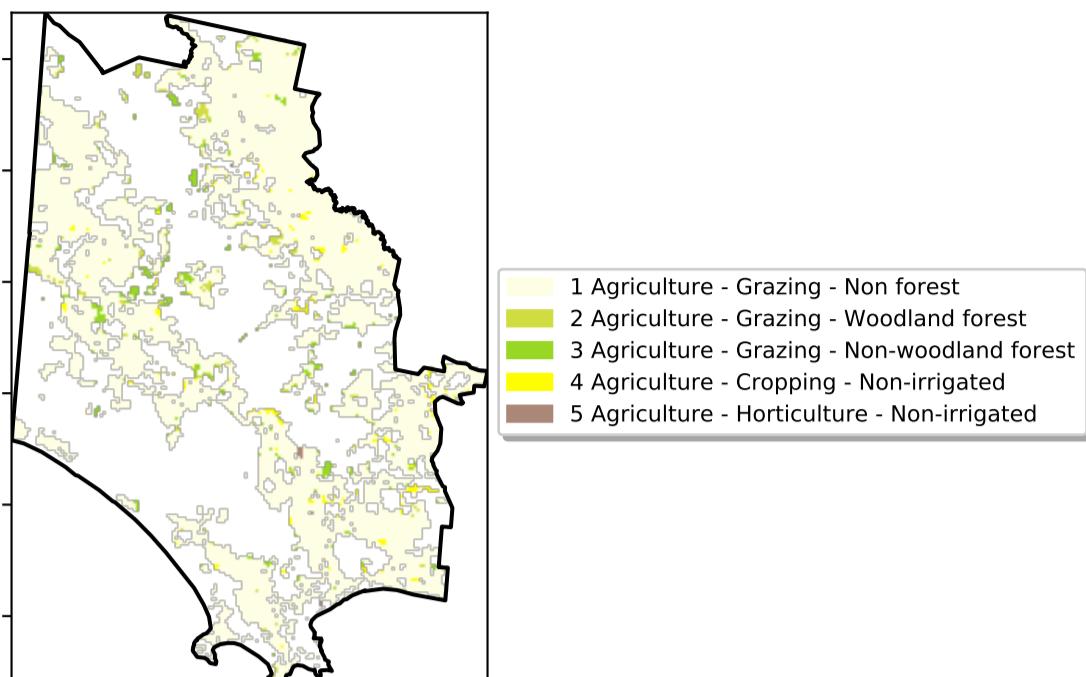


Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)

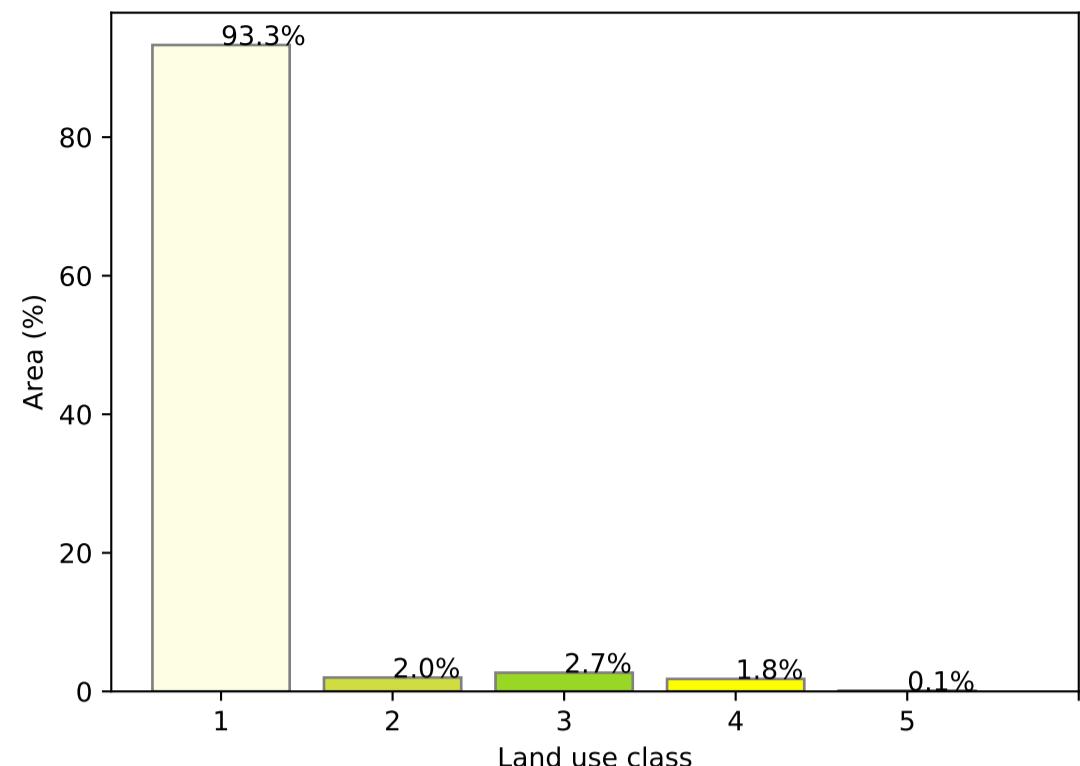


# Agriculture

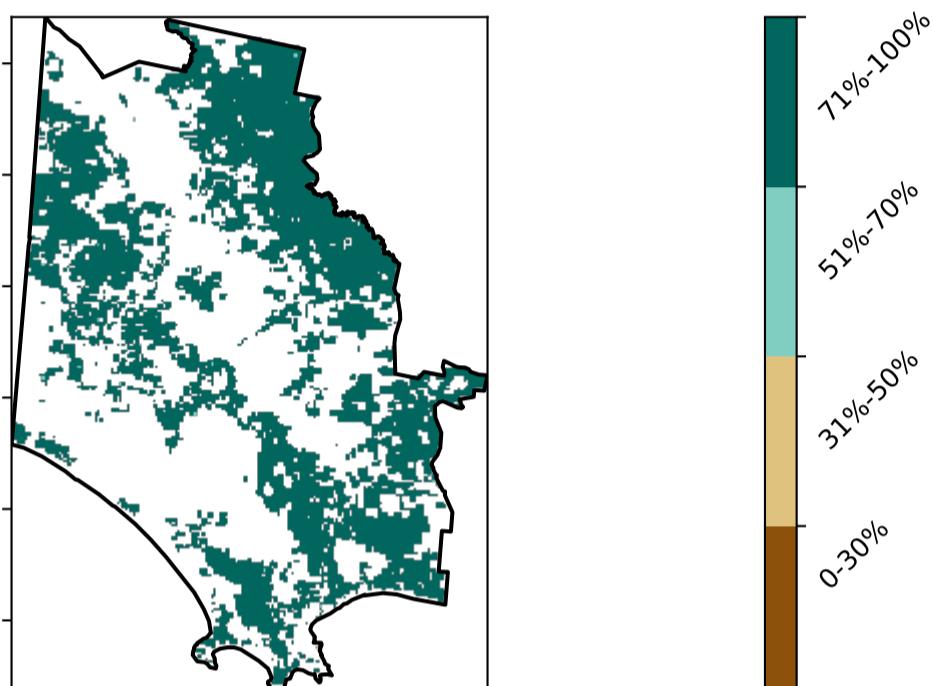
**Land use and forest cover**



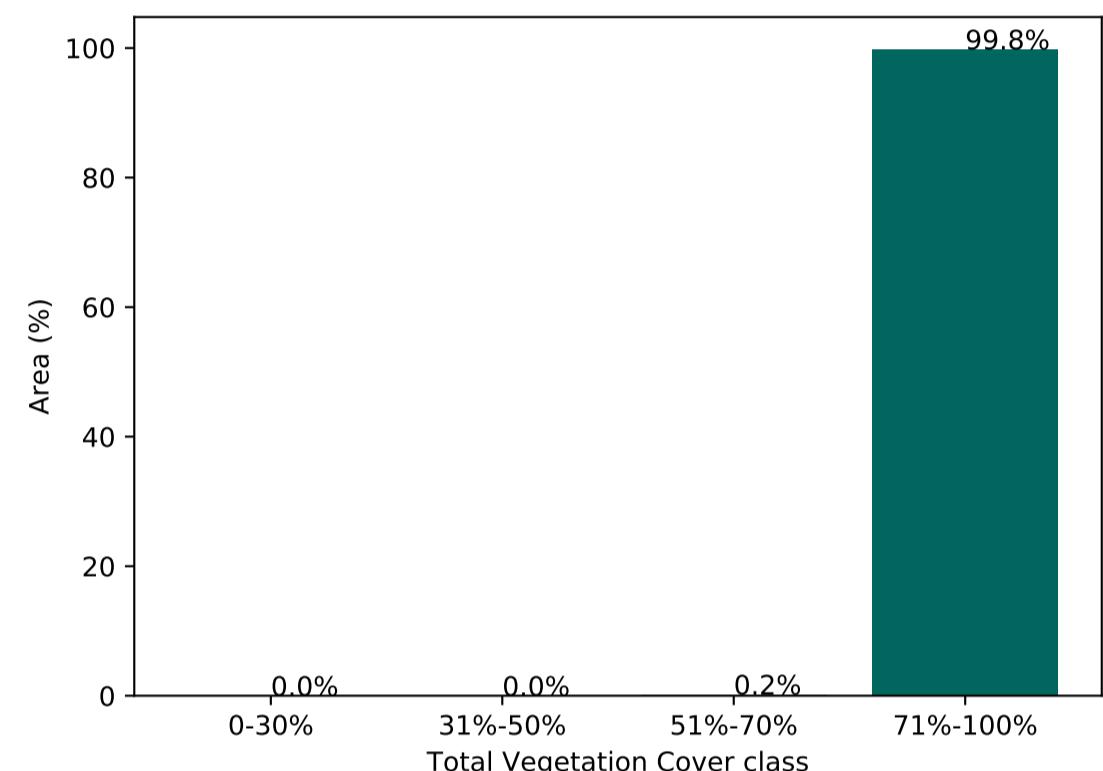
**Proportion of each land class in area**



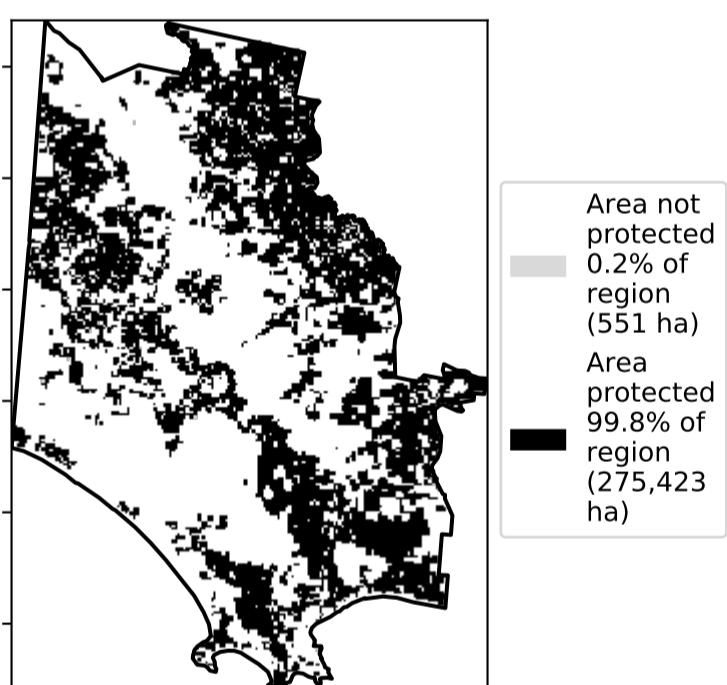
**Total Vegetation Cover [%]**



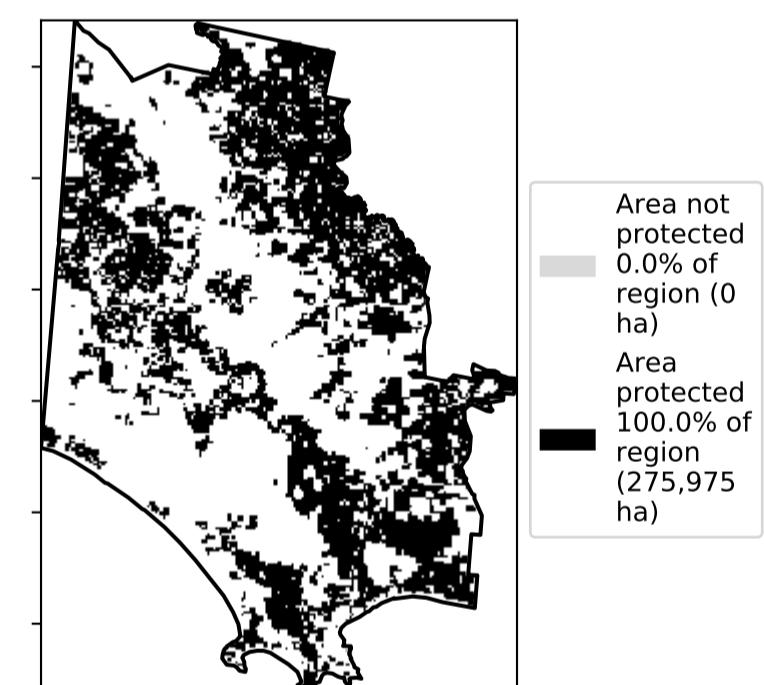
**Proportion of vegetation cover class in area**



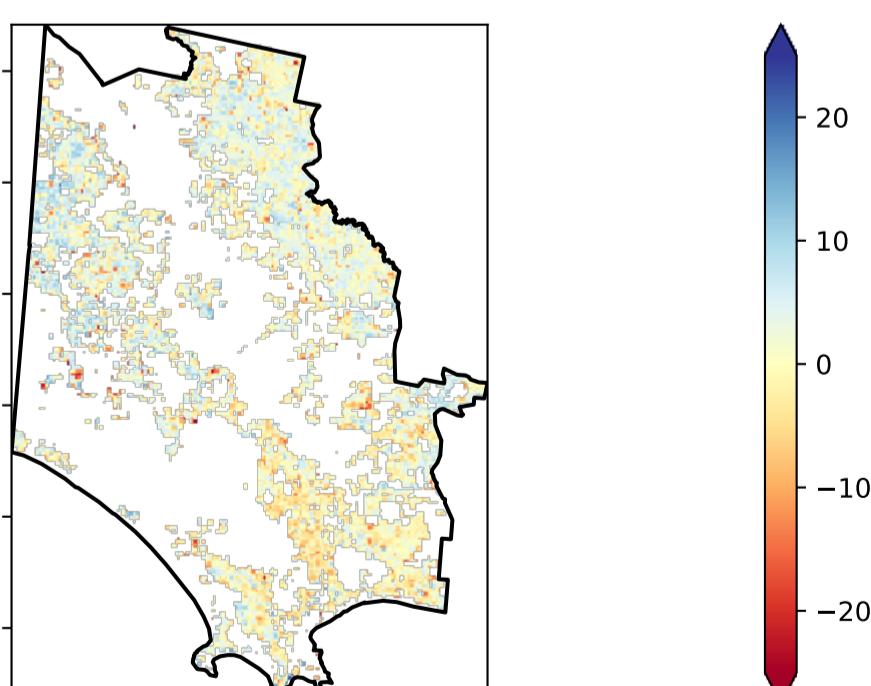
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

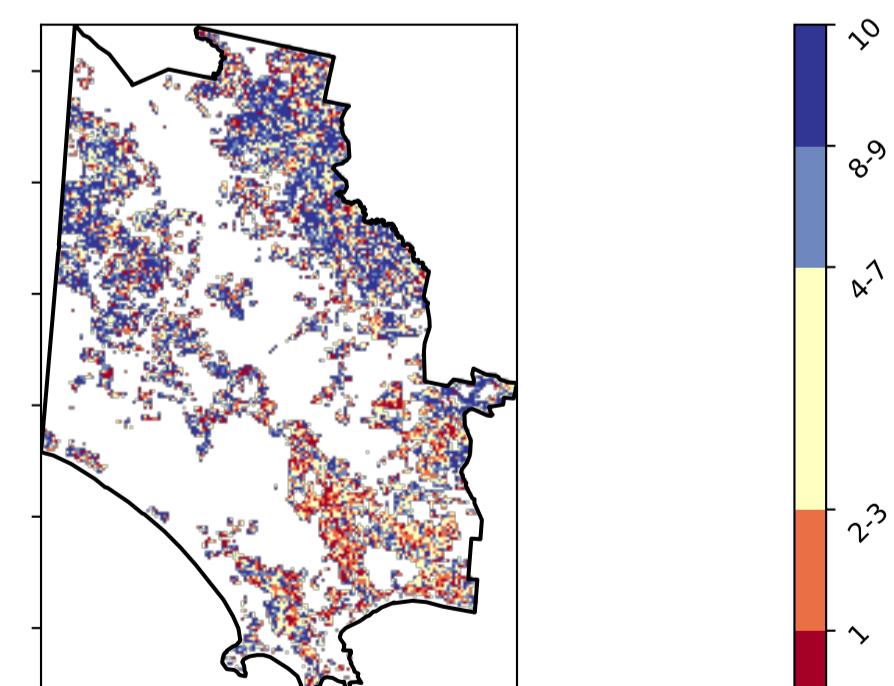


**Total Vegetation Cover Anomaly [%]**

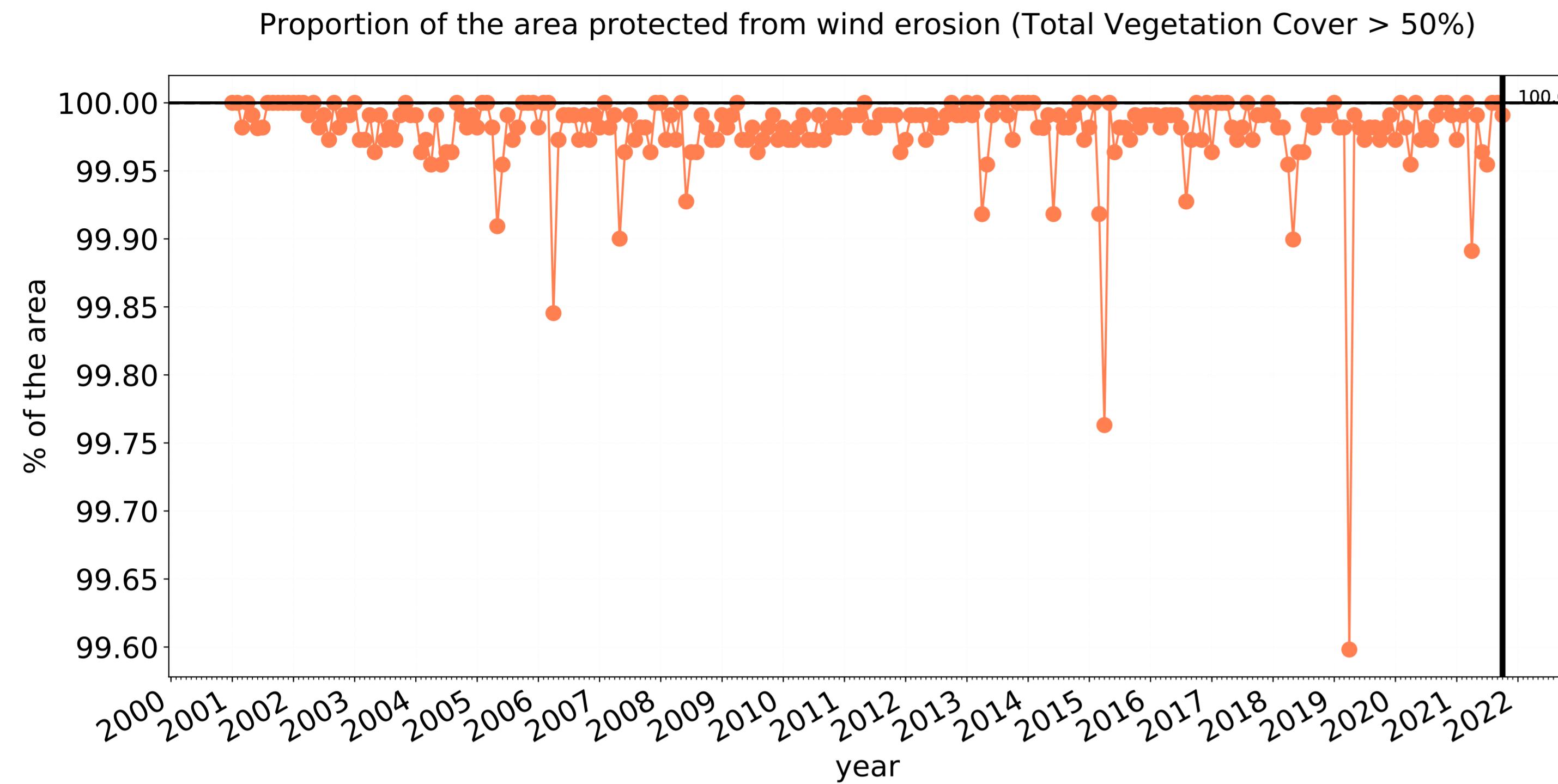


Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

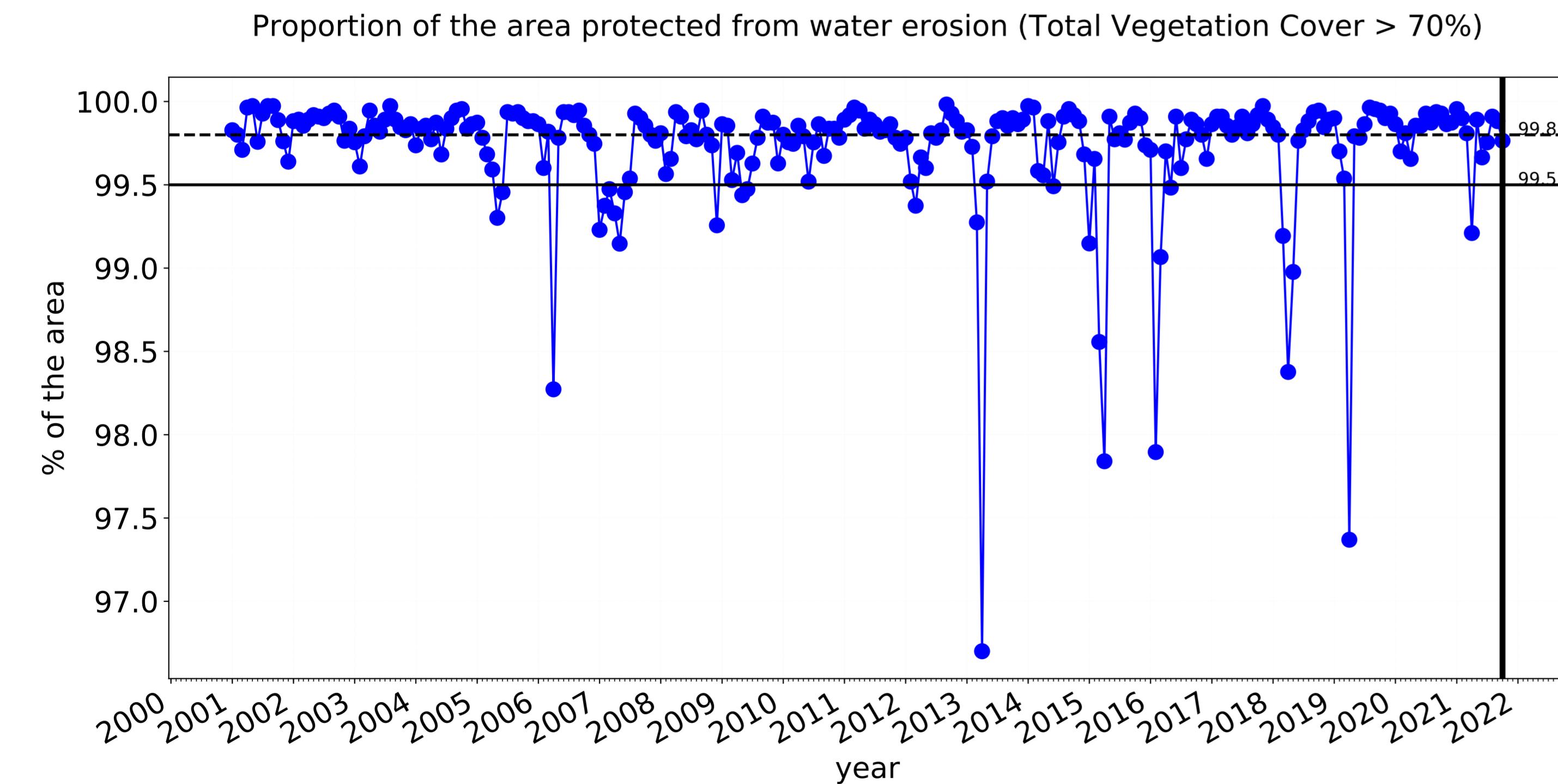
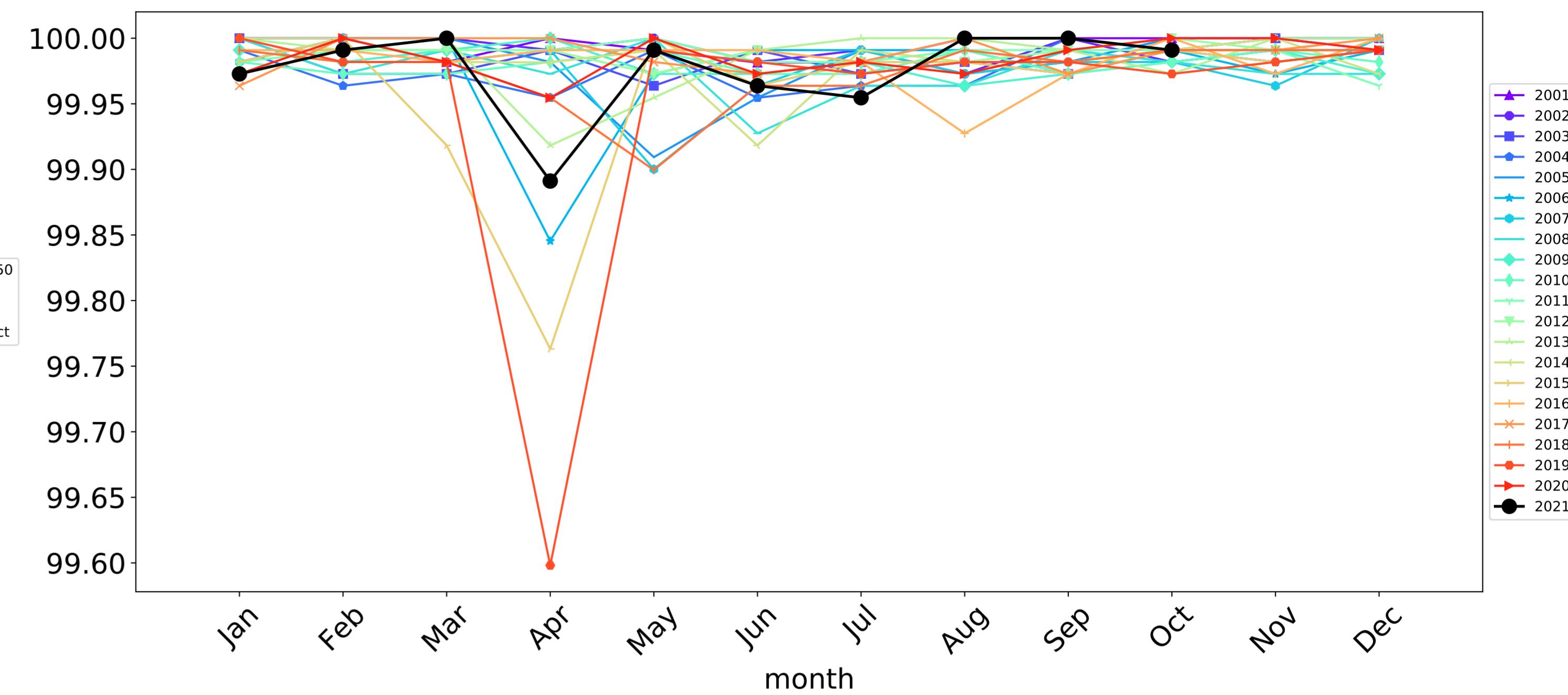
**Total Vegetation Cover Decile [%]**



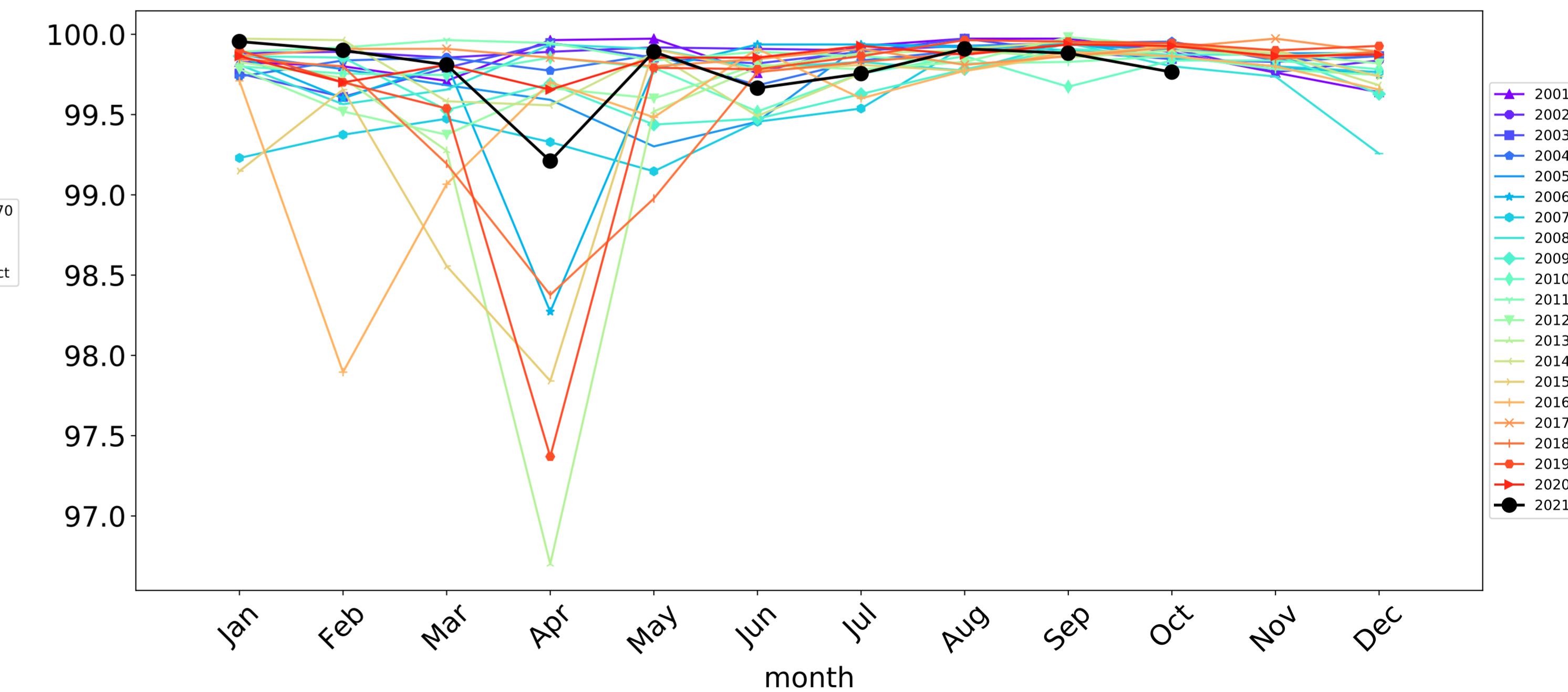
## Agriculture timeseries



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



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



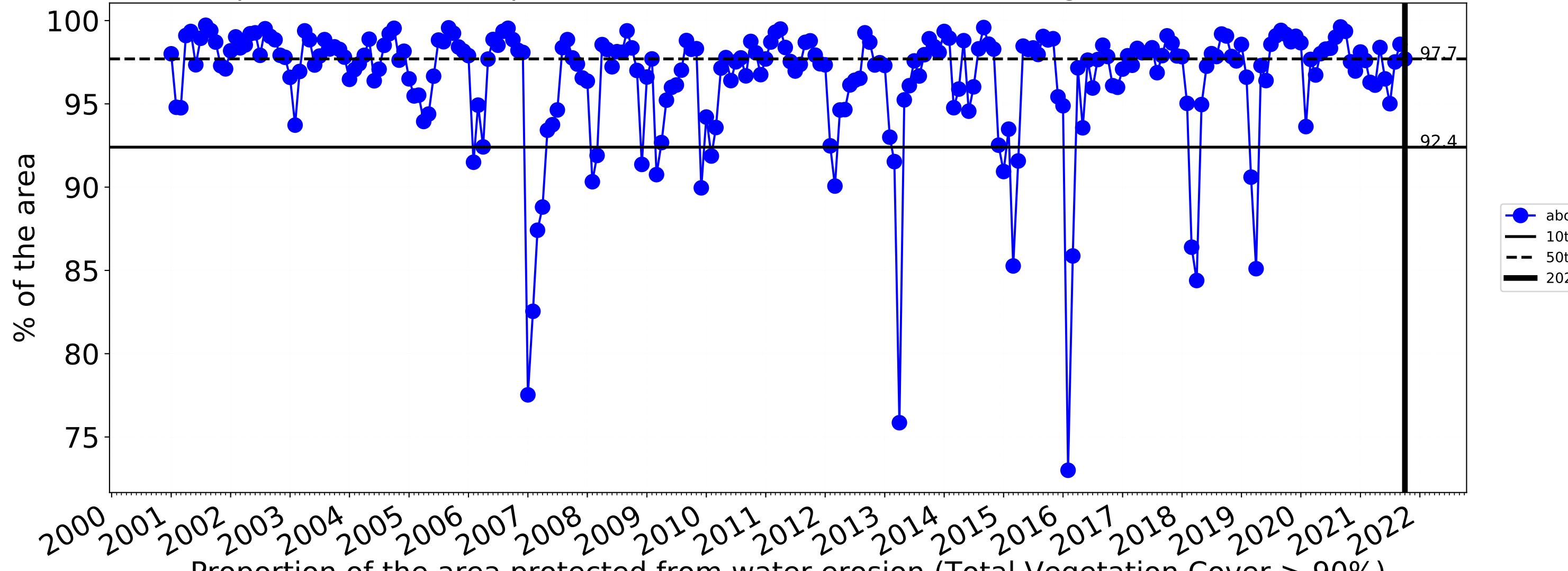
**tern**  
Ecosystem Research Infrastructure



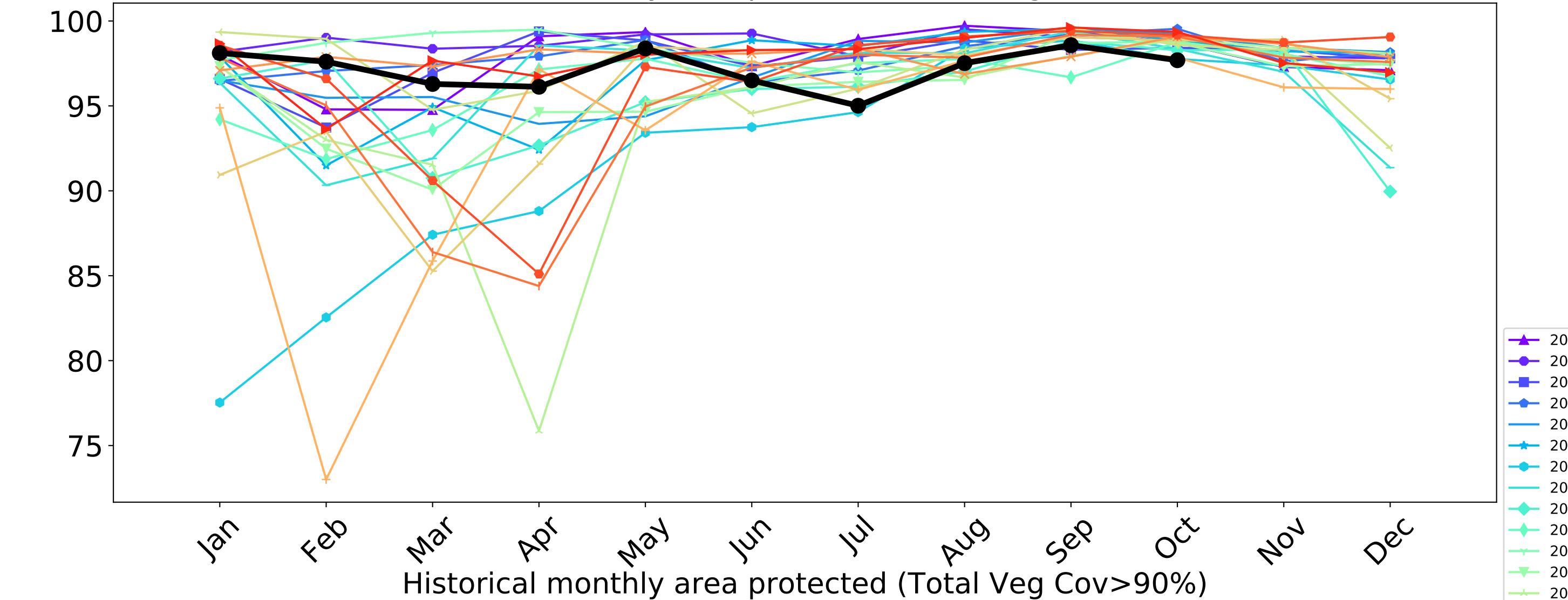
National  
Landcare  
Programme



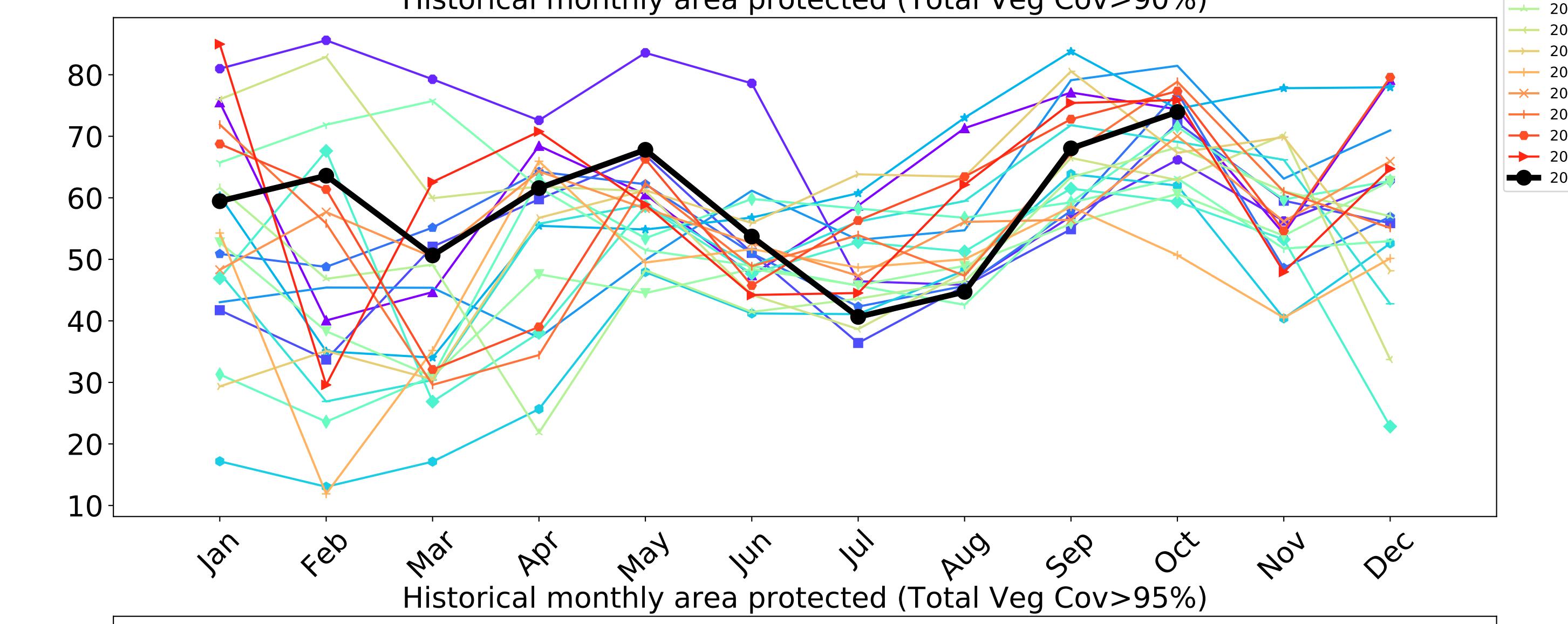
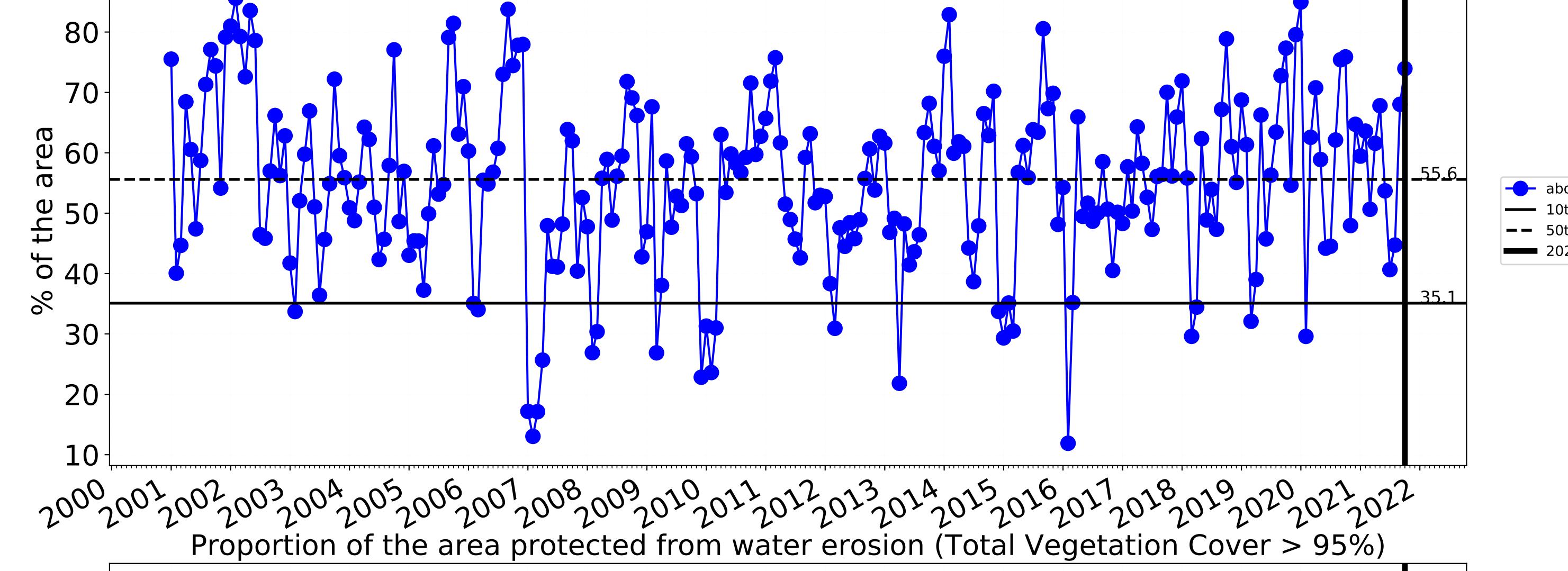
Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



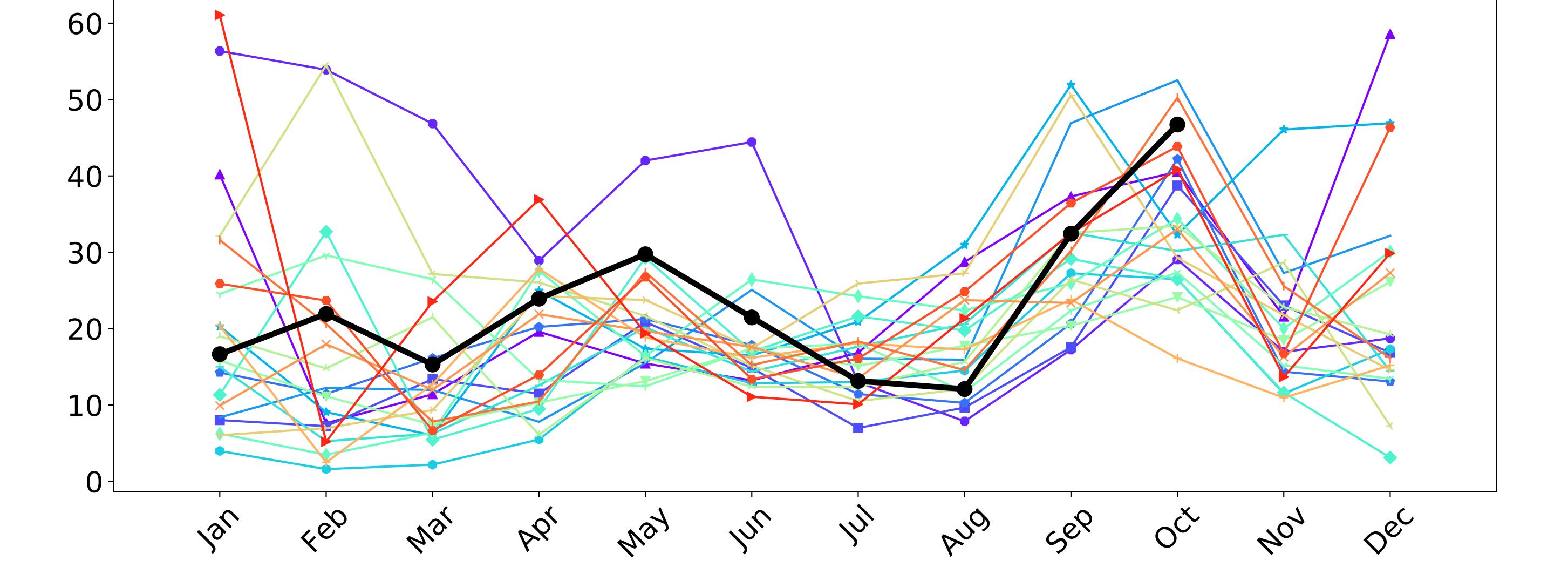
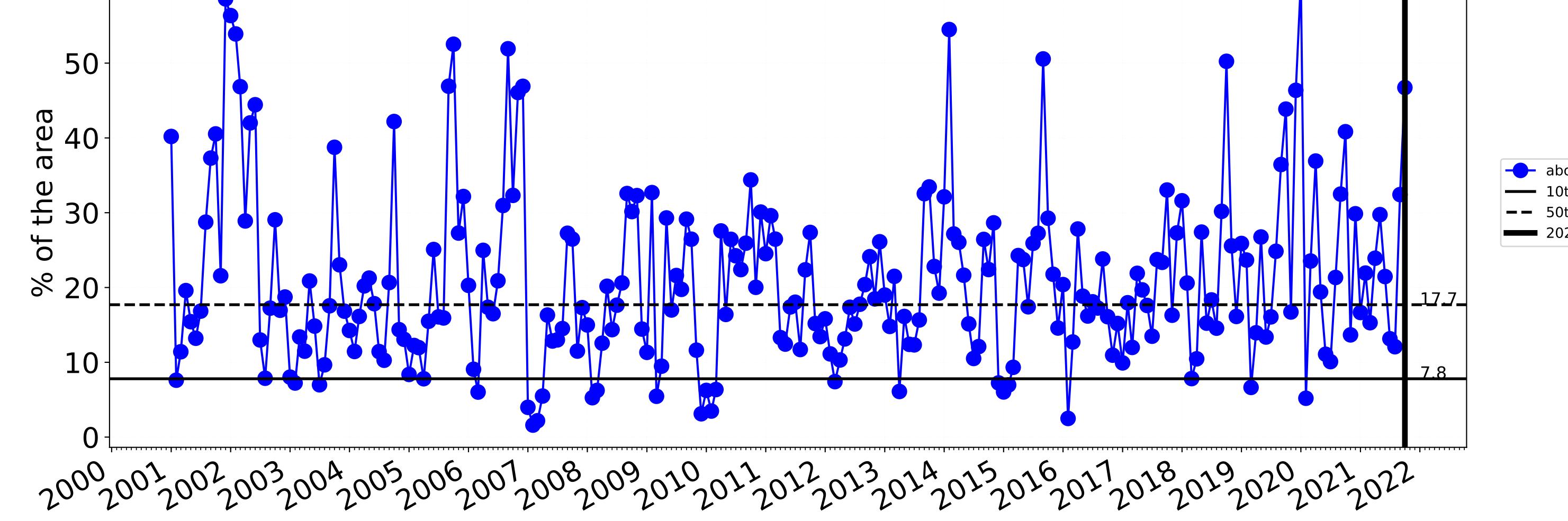
Historical monthly area protected (Total Veg Cov>80%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)

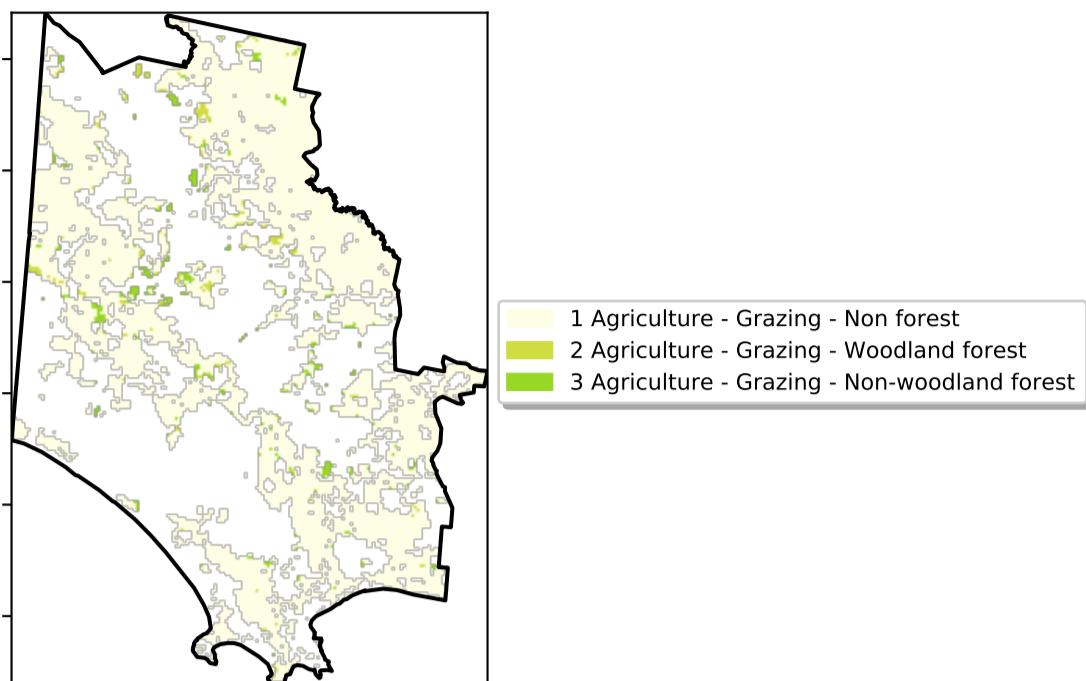


Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)

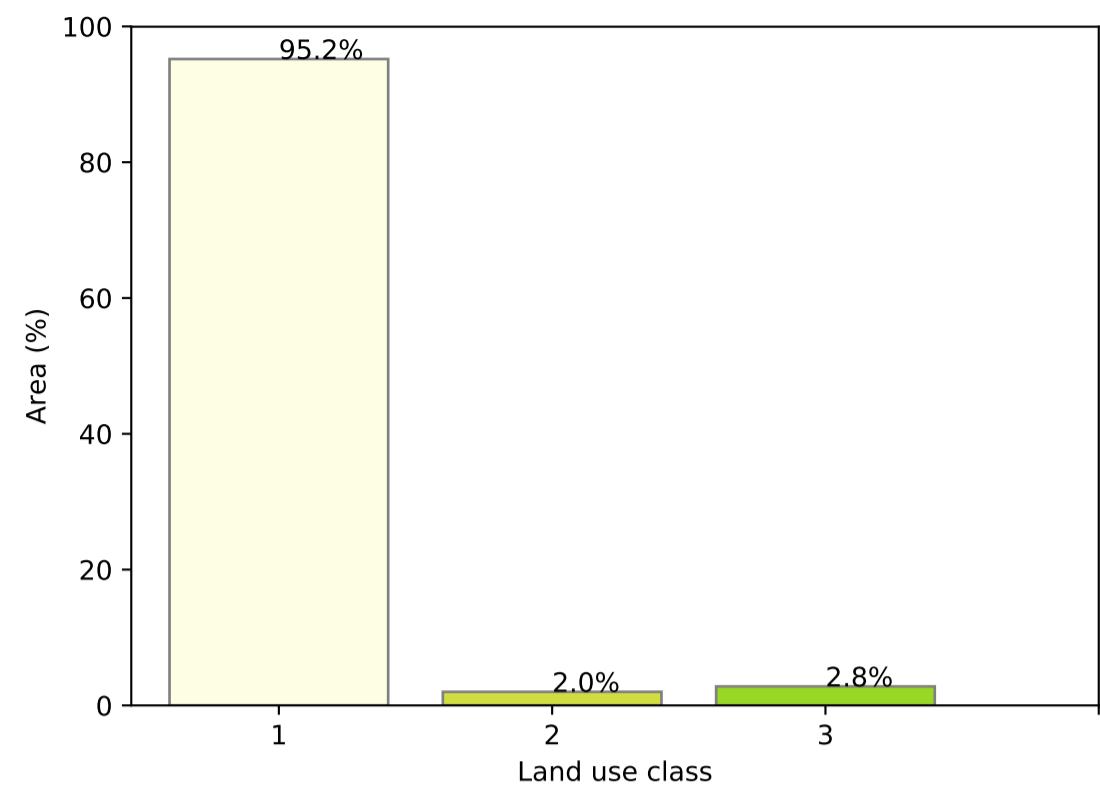


## Grazing

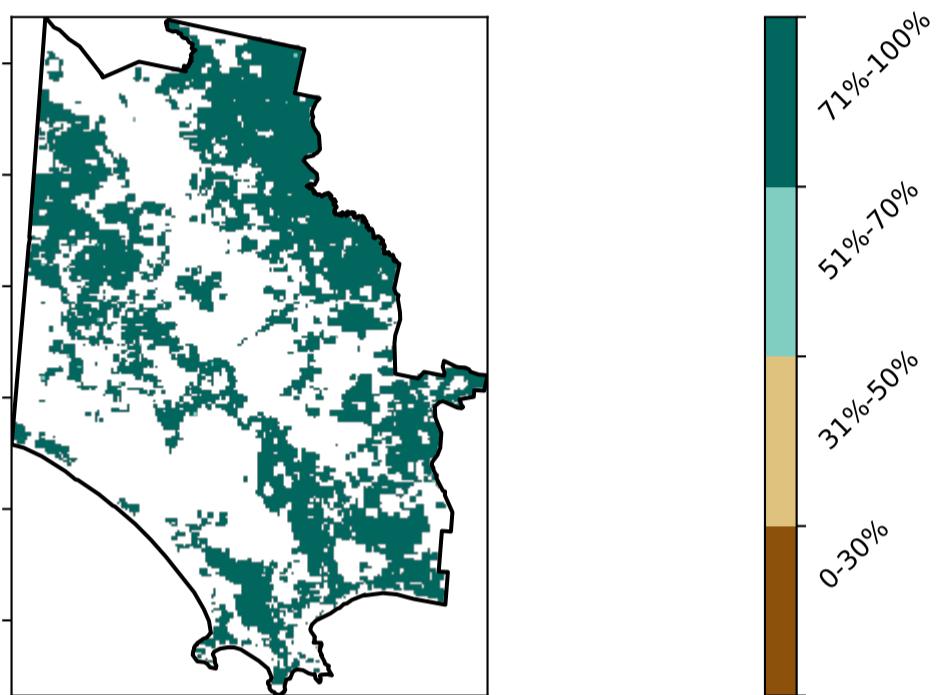
**Land use and forest cover**



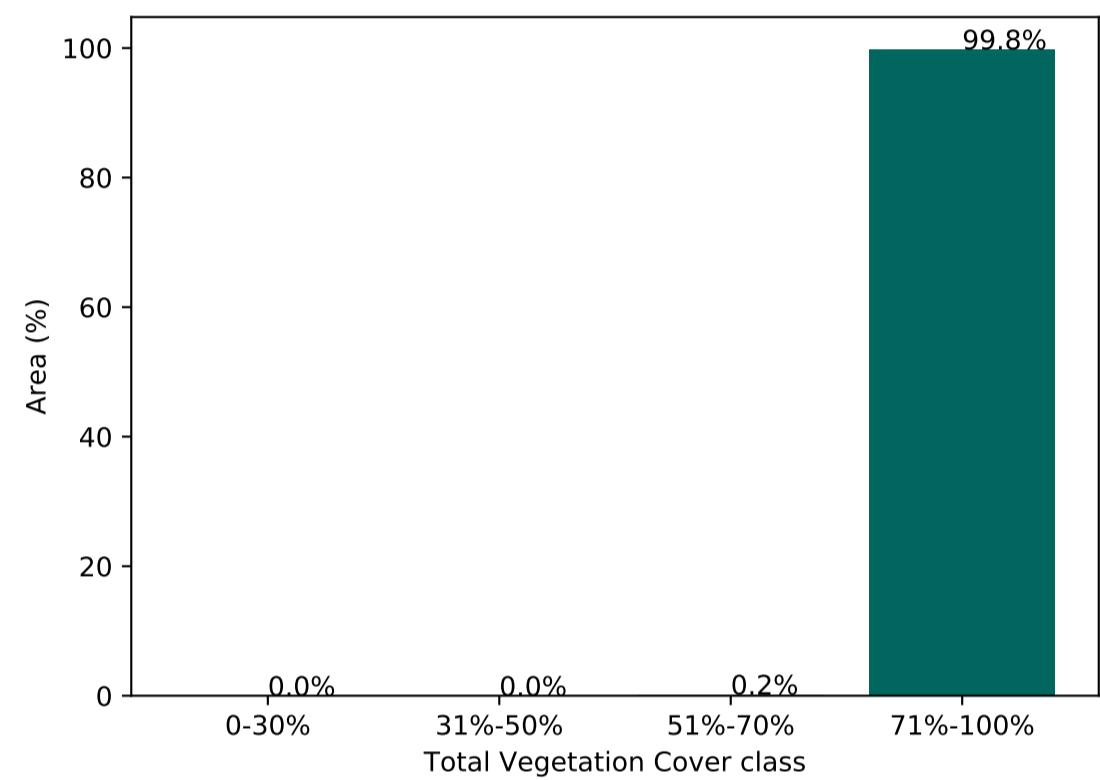
**Proportion of each land class in area**



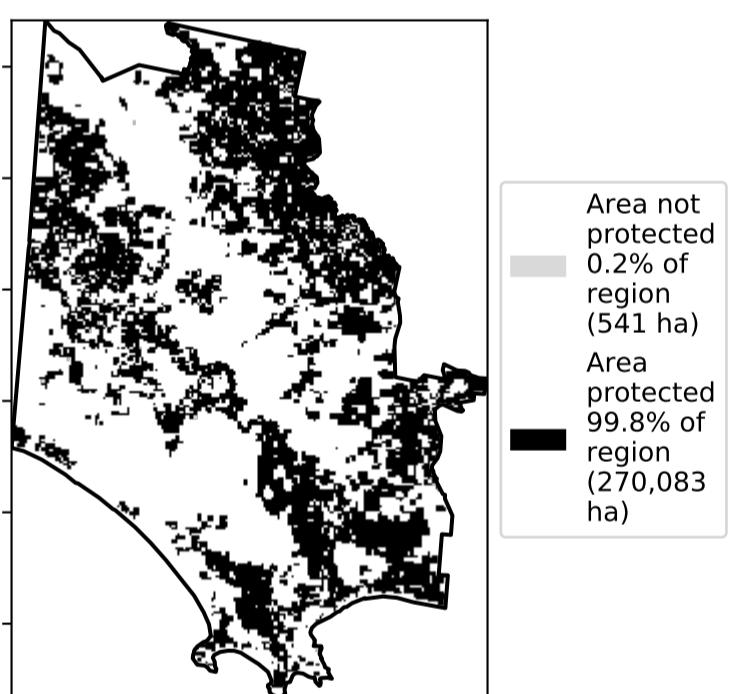
**Total Vegetation Cover [%]**



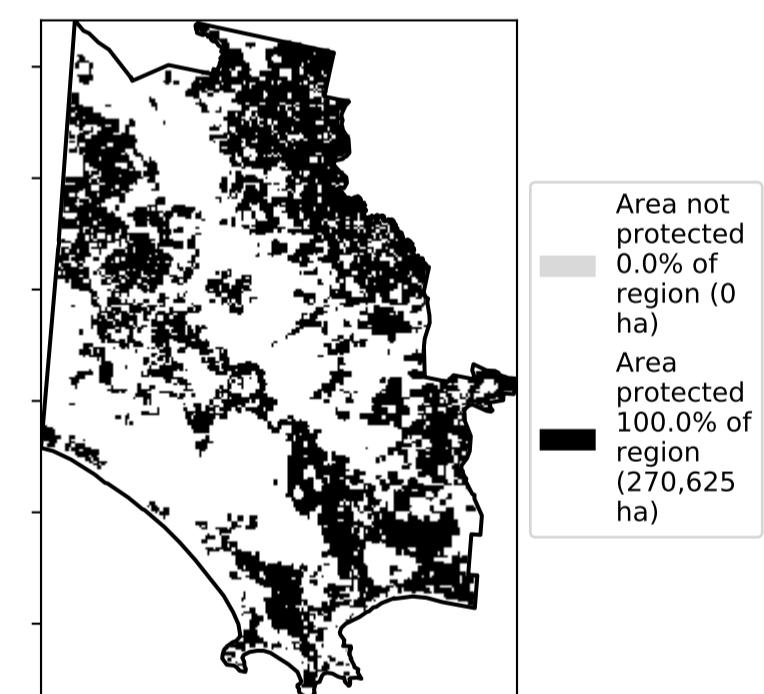
**Proportion of vegetation cover class in area**



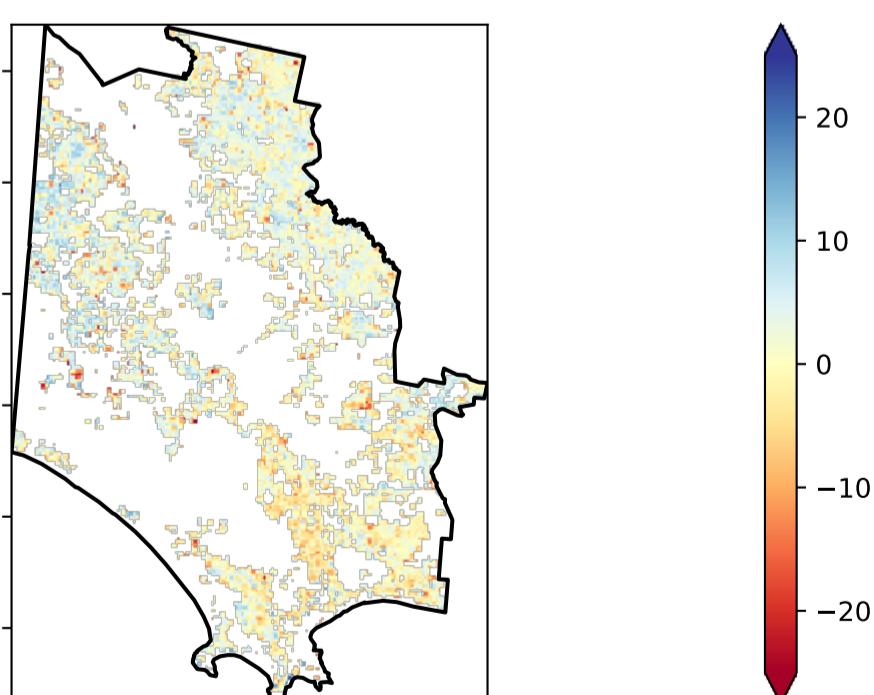
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

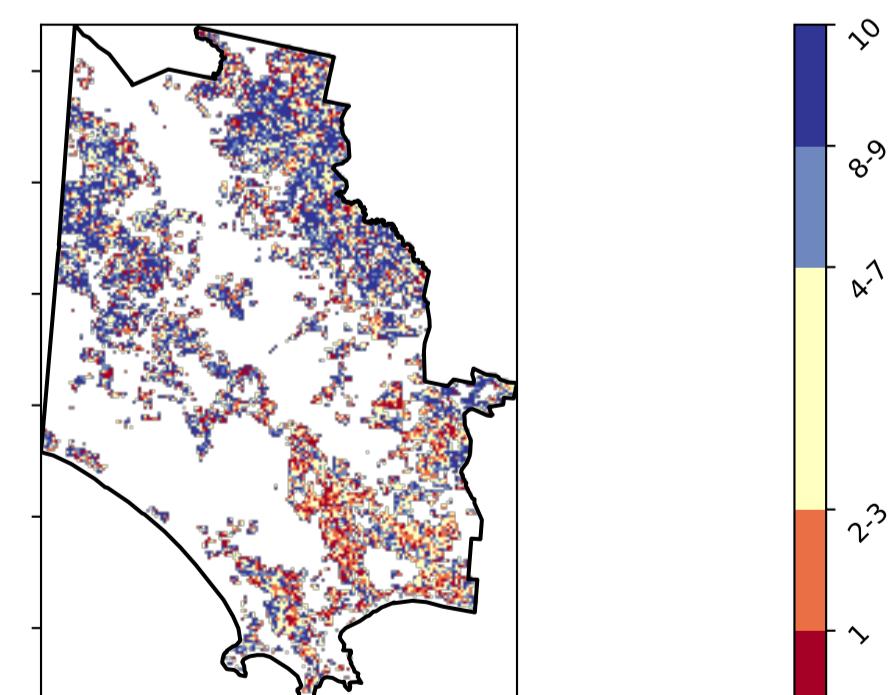


**Total Vegetation Cover Anomaly [%]**



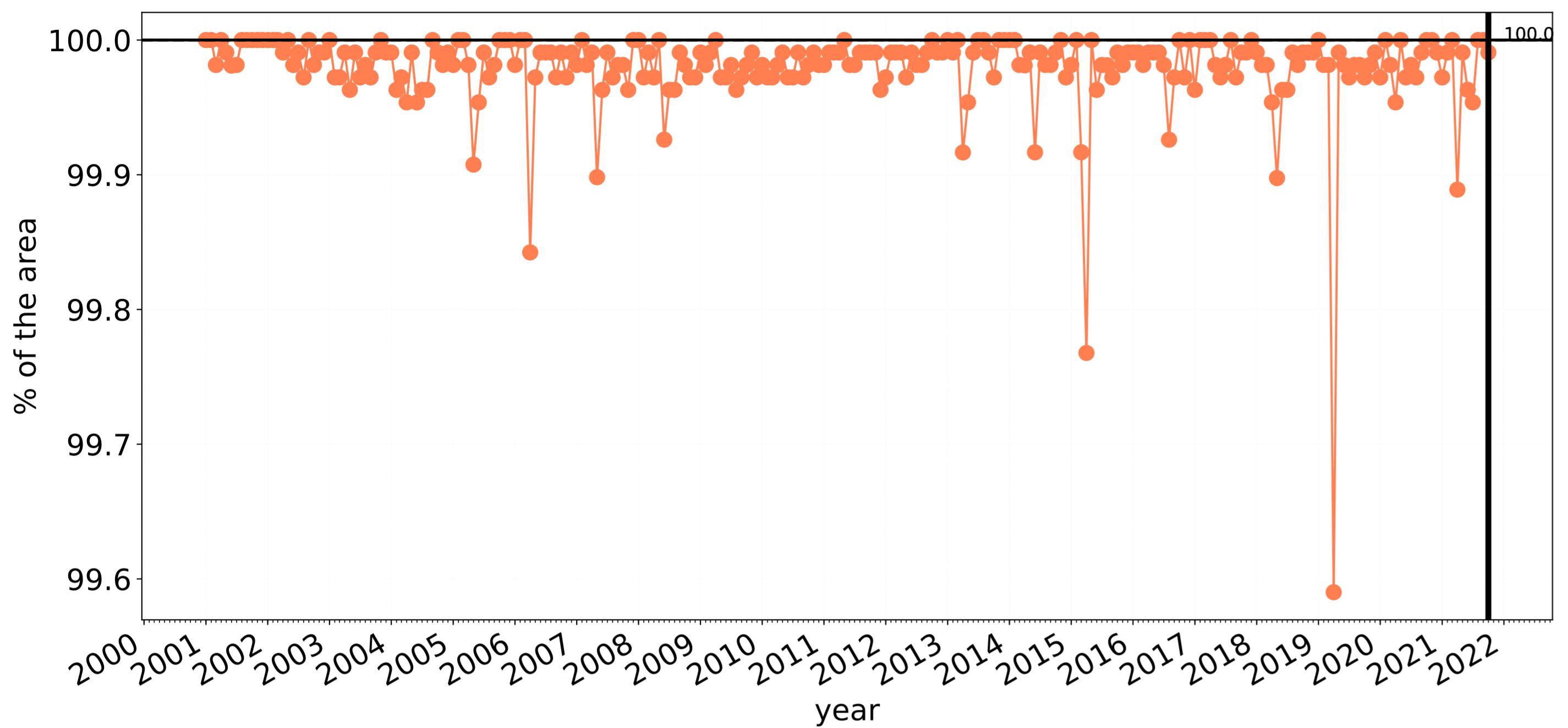
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

**Total Vegetation Cover Decile [%]**

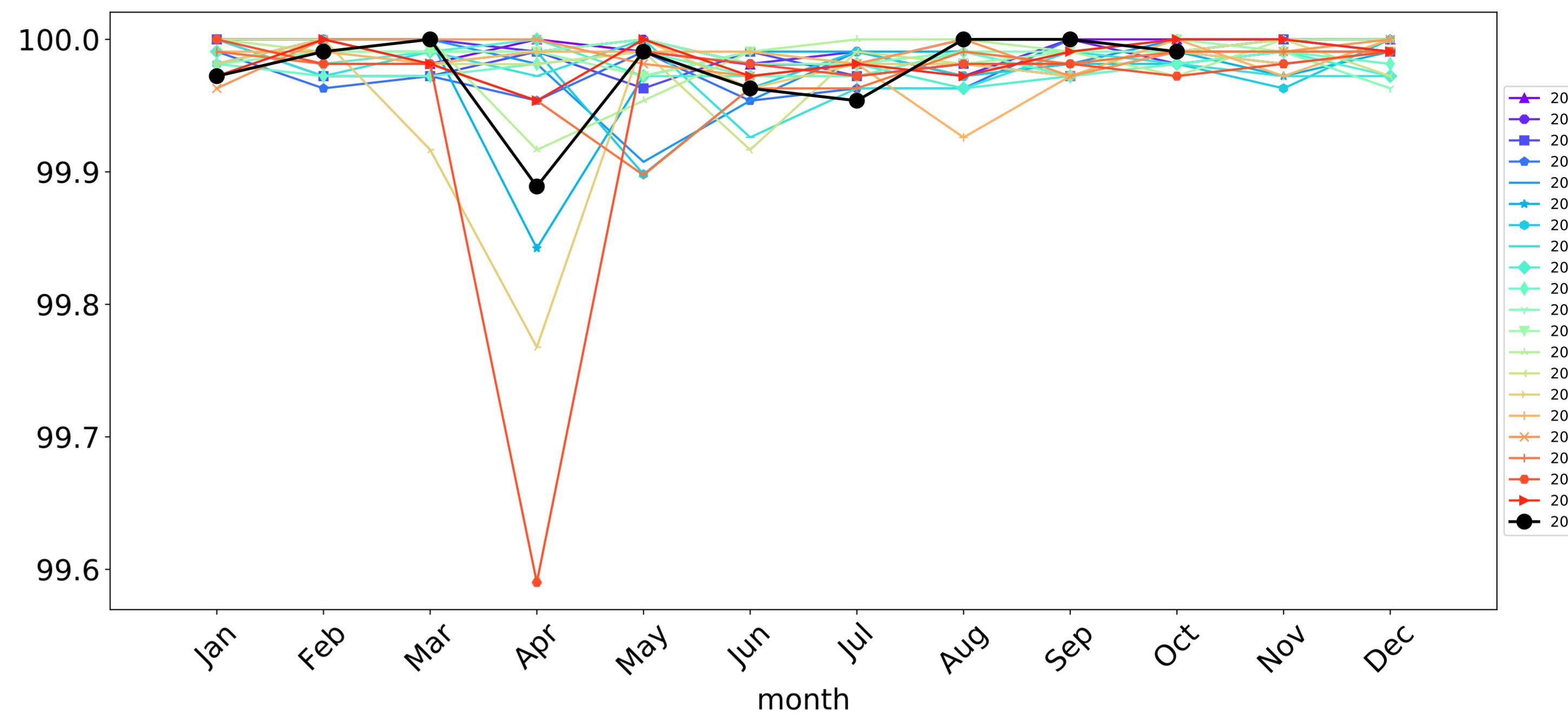


### Grazing timeseries

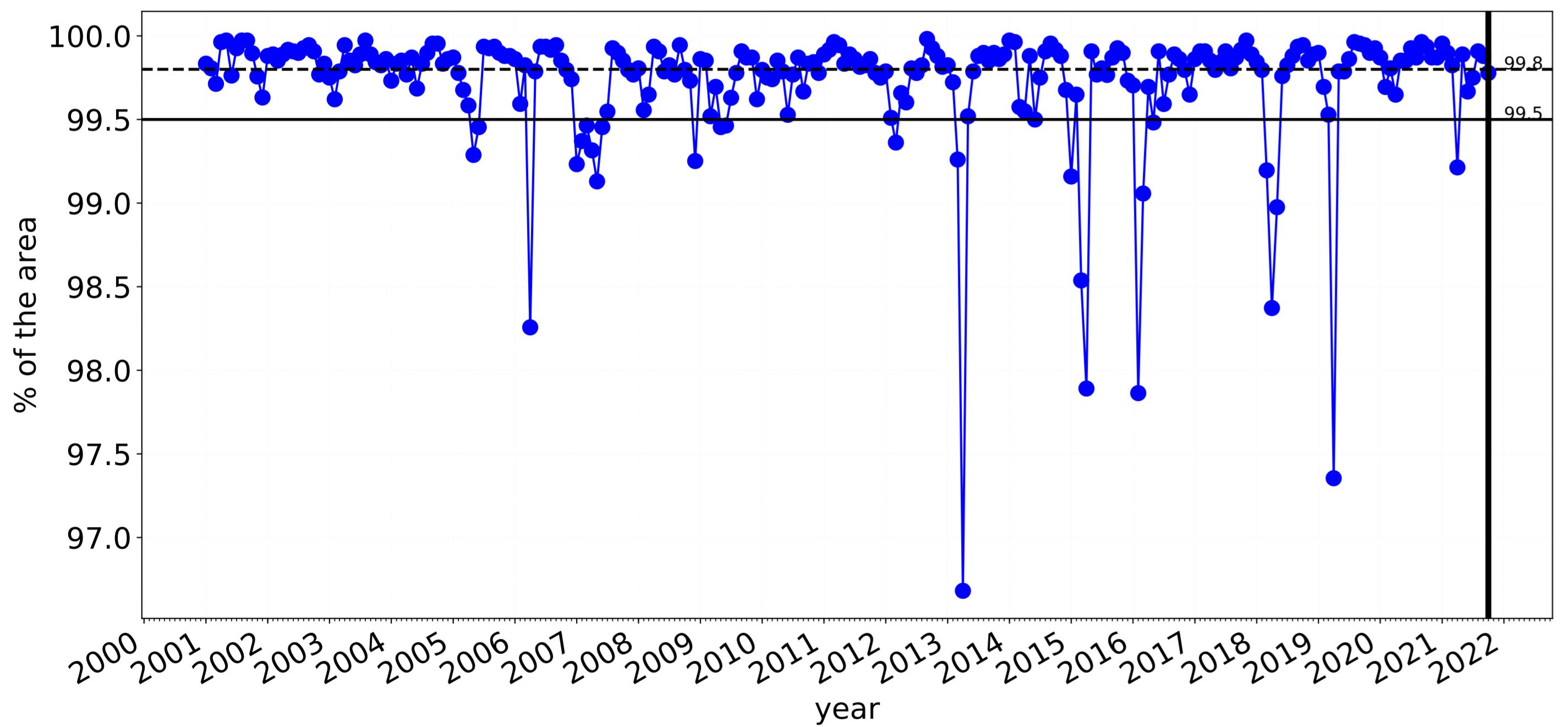
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



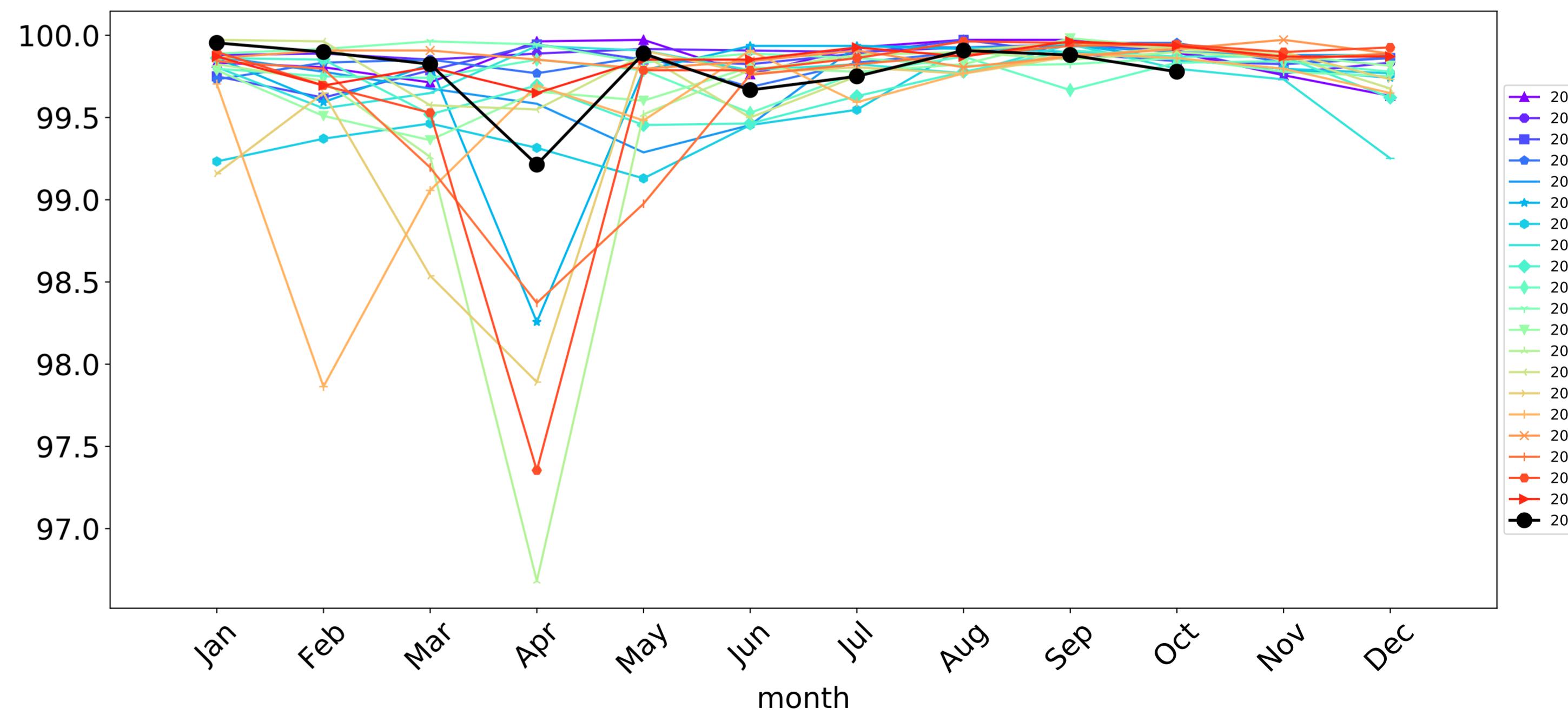
Wind erosion historical monthly area protected (Total Veg Cov >50%)



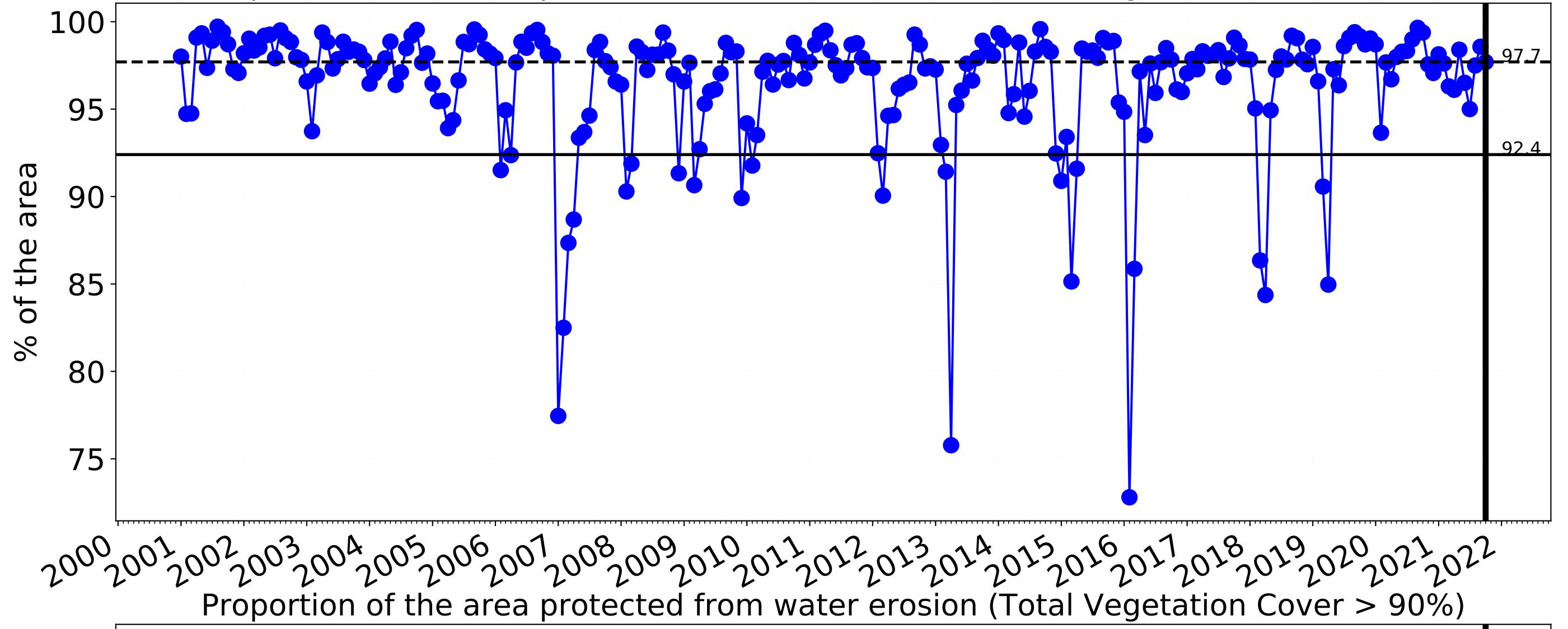
Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



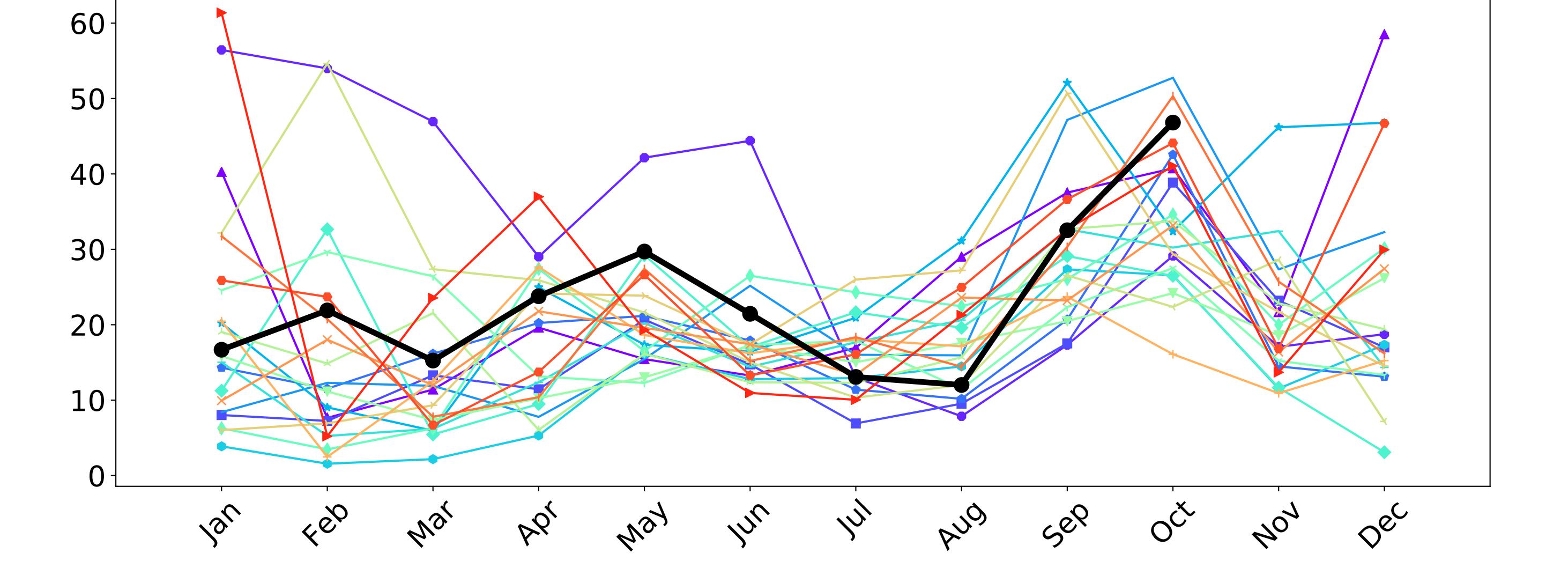
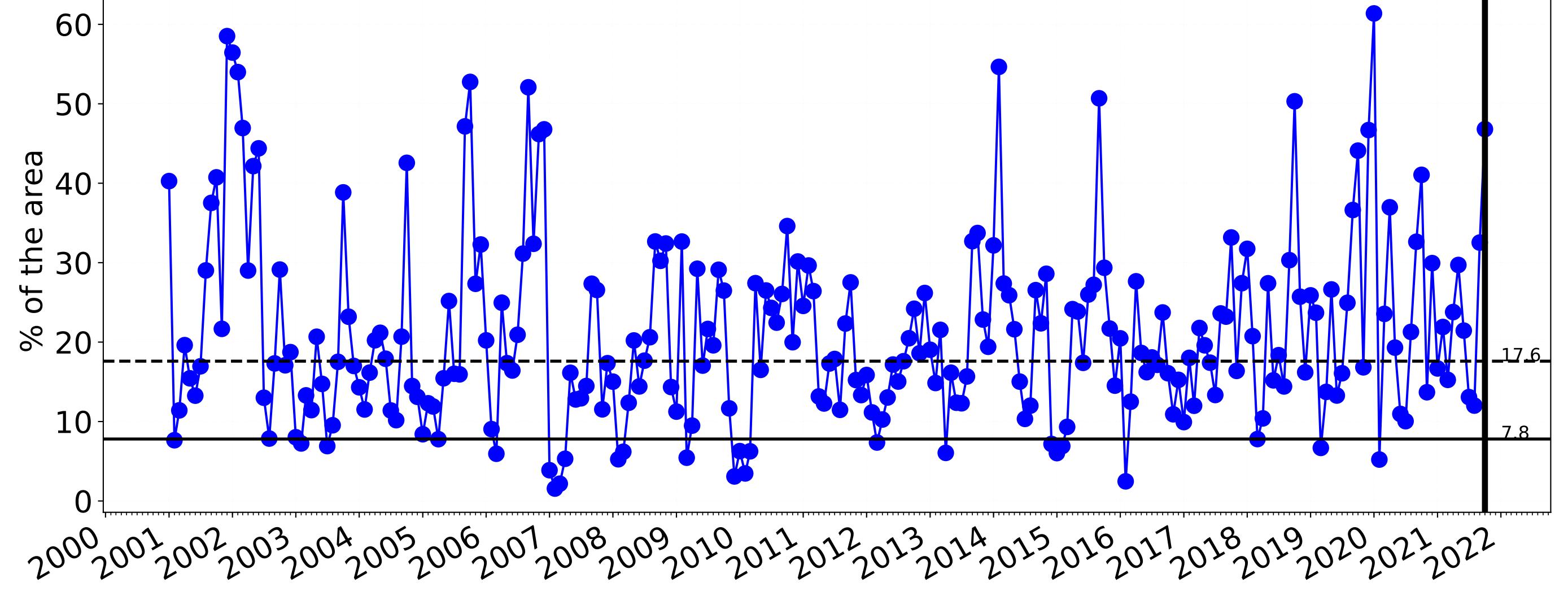
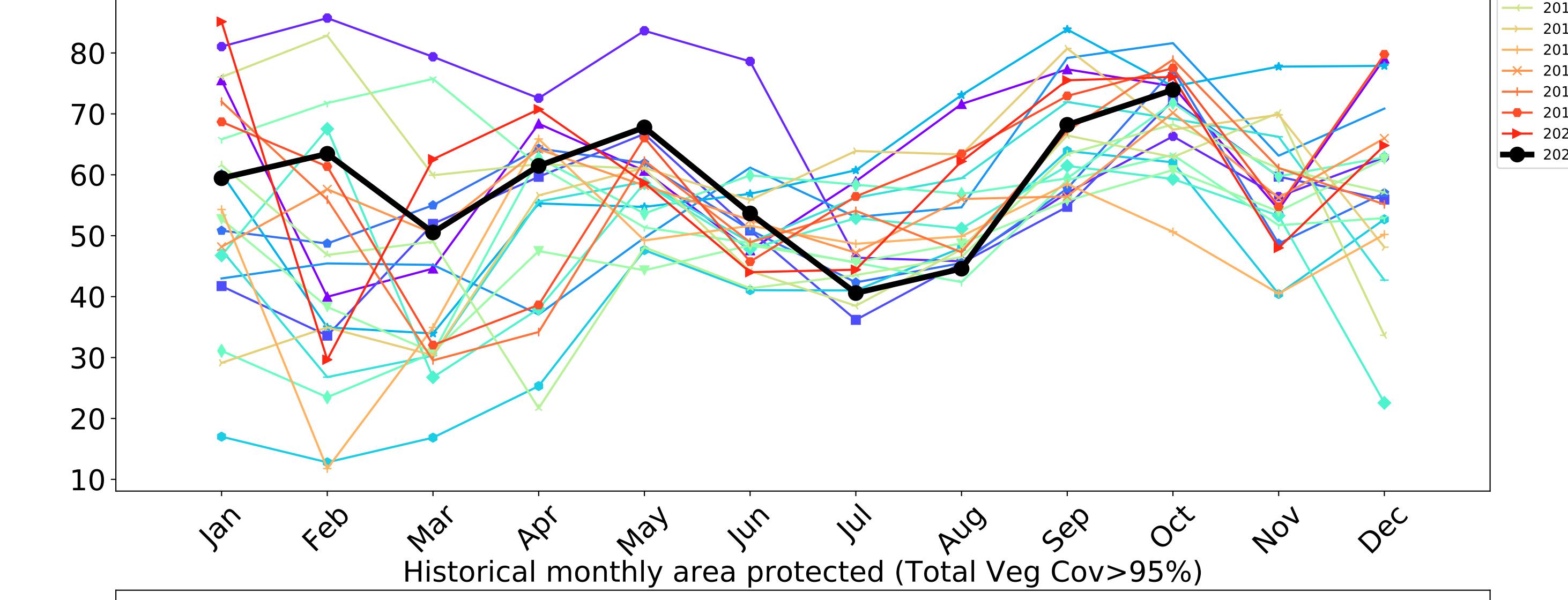
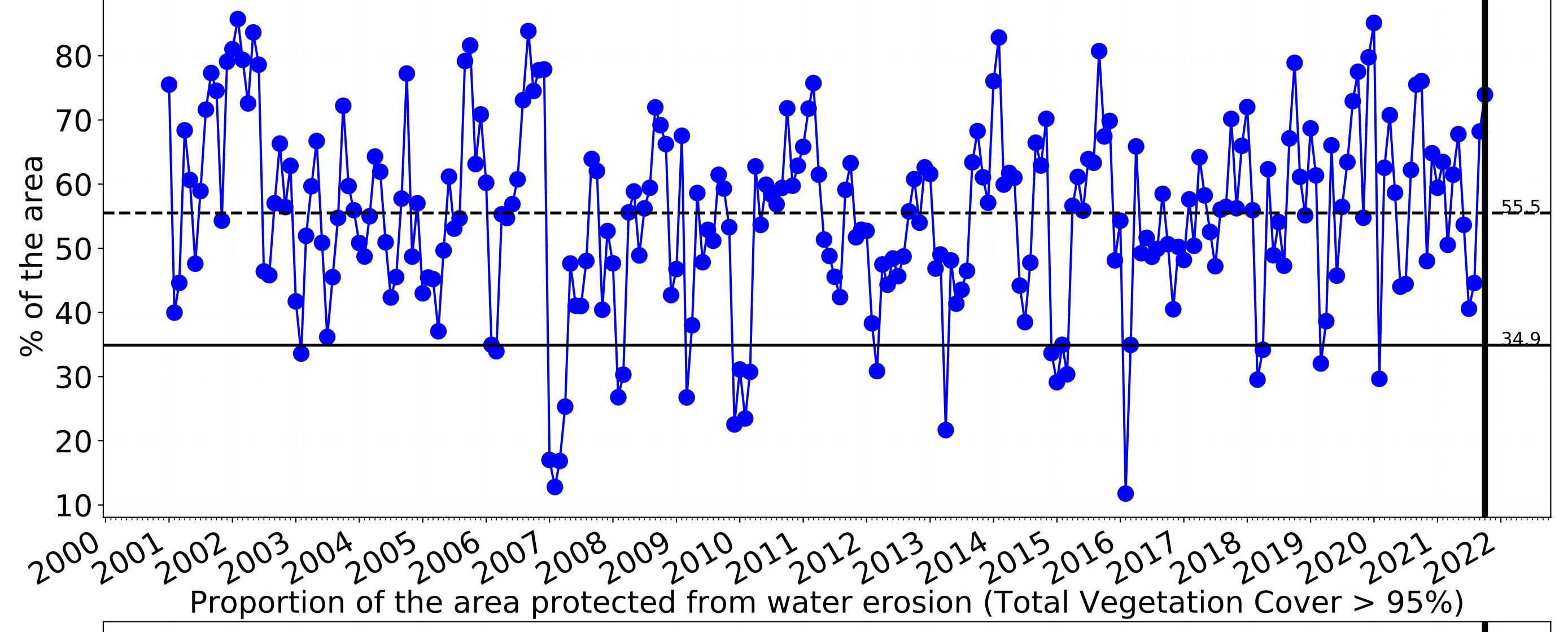
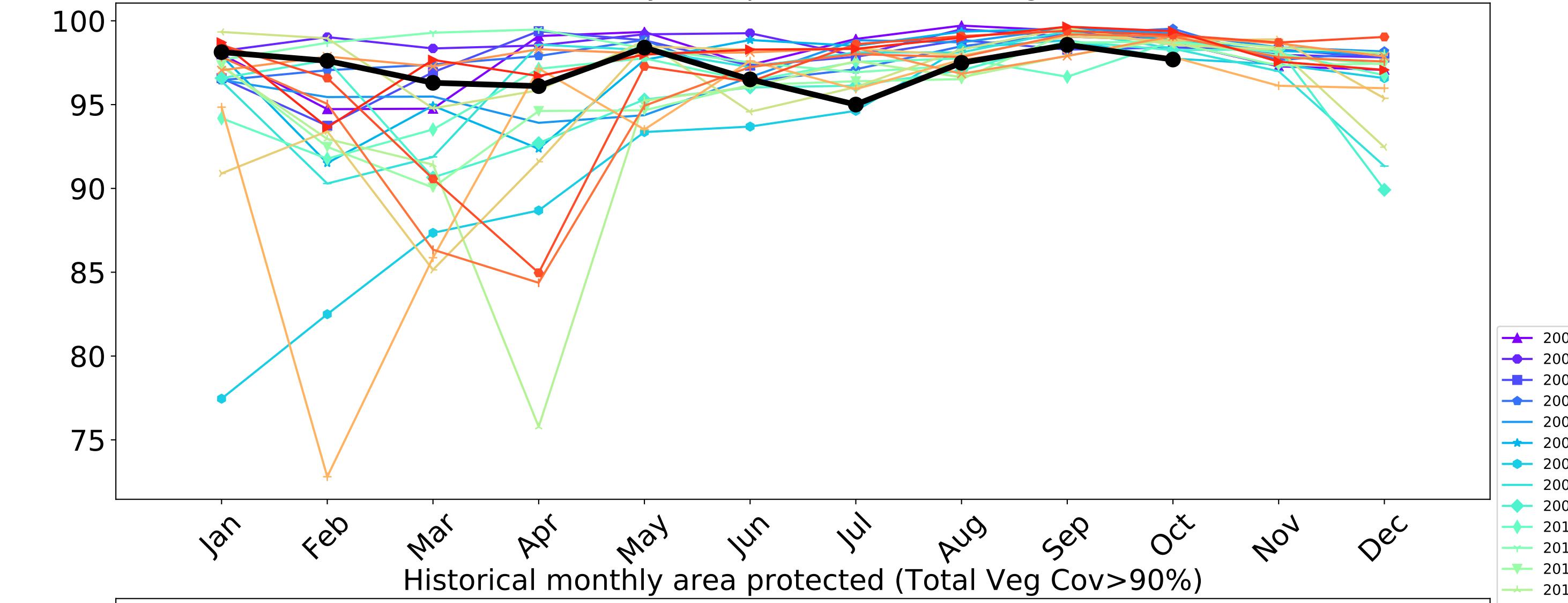
Water erosion historical monthly area protected (Total Veg Cov>70%)



Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)

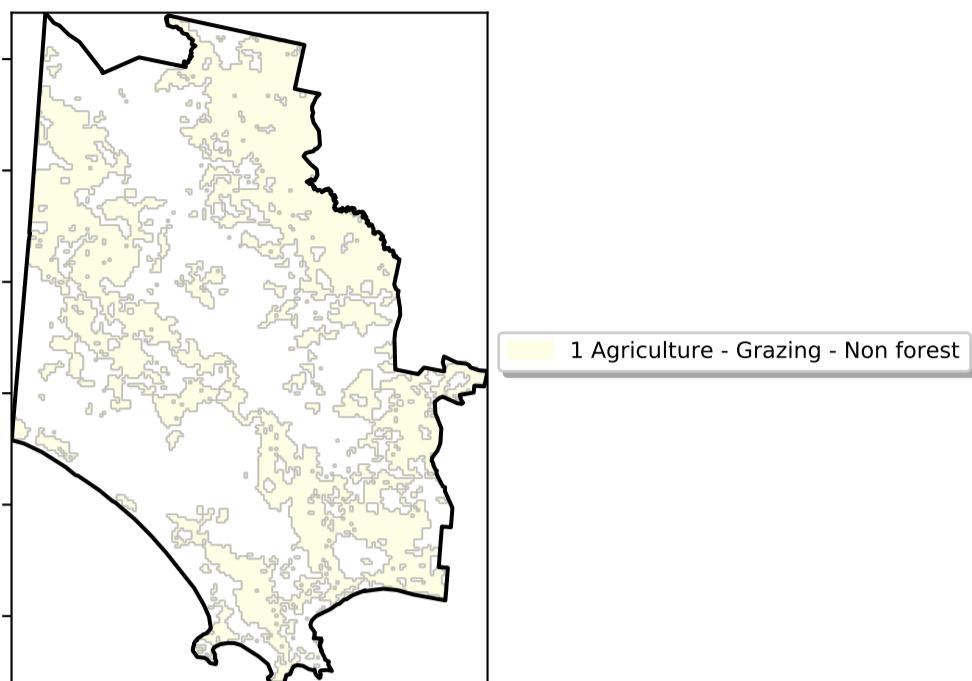


Historical monthly area protected (Total Veg Cov>80%)

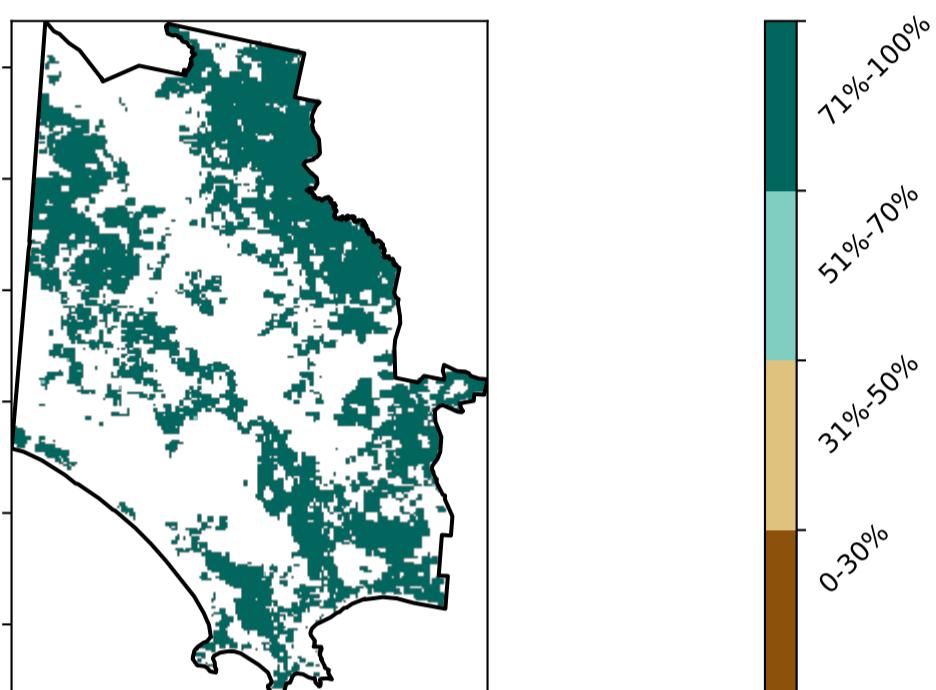


## Grazing non forest

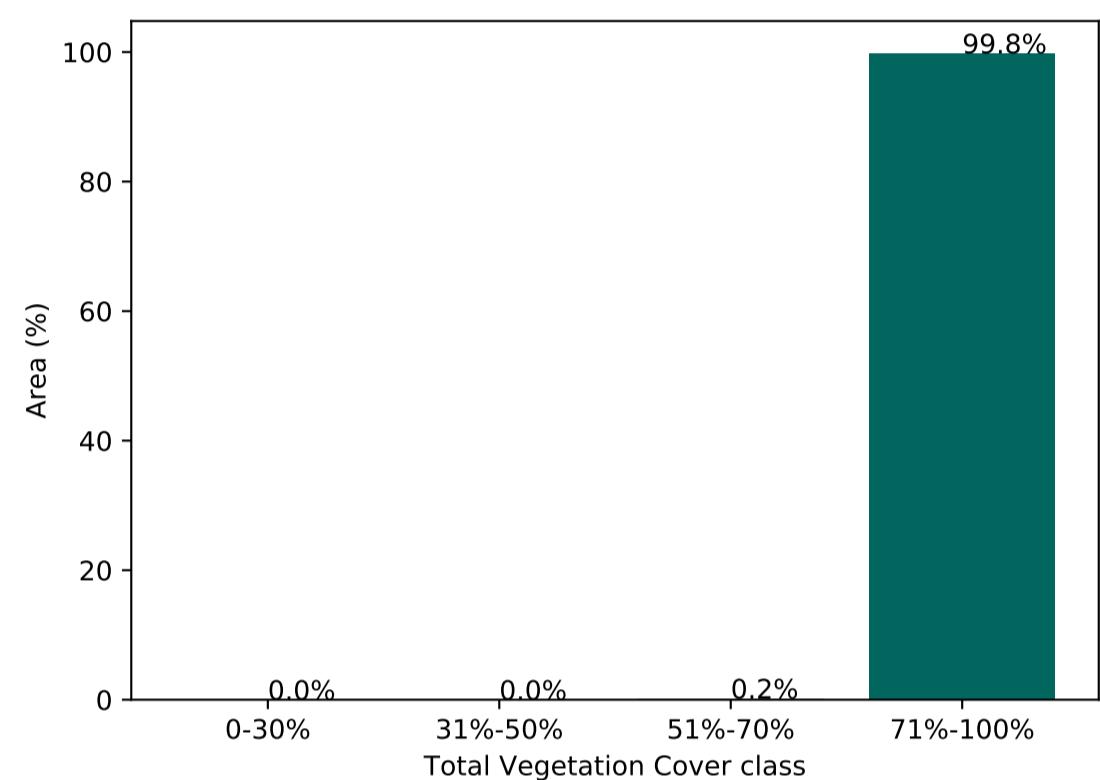
**Land use and forest cover**



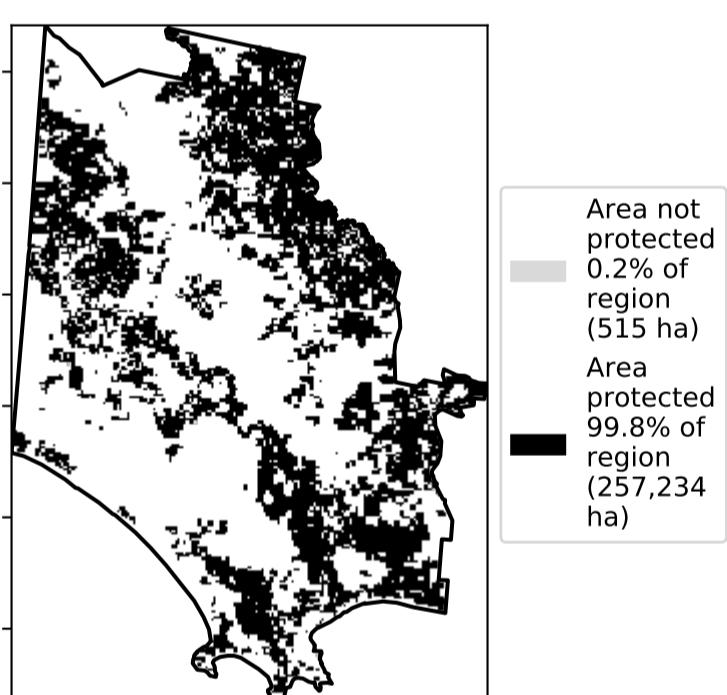
**Total Vegetation Cover [%]**



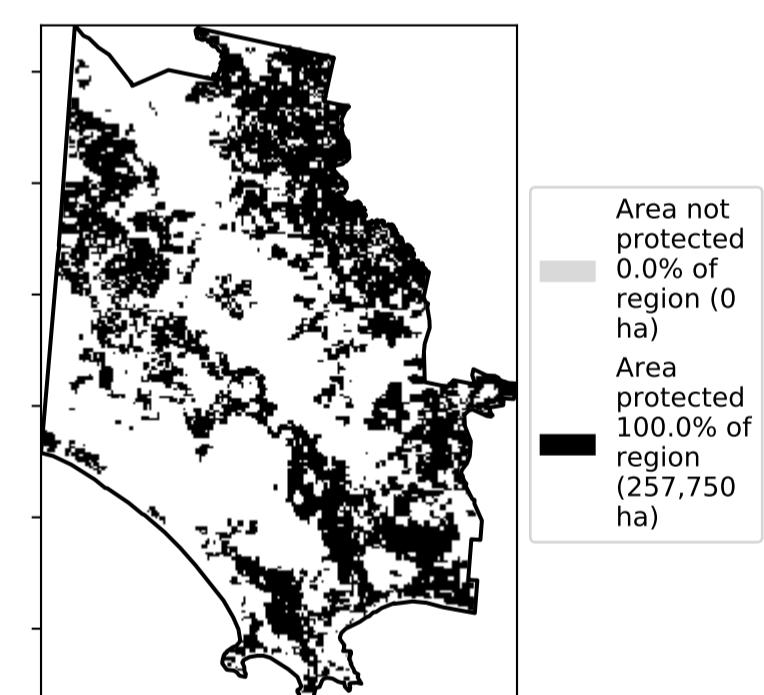
**Proportion of vegetation cover class in area**



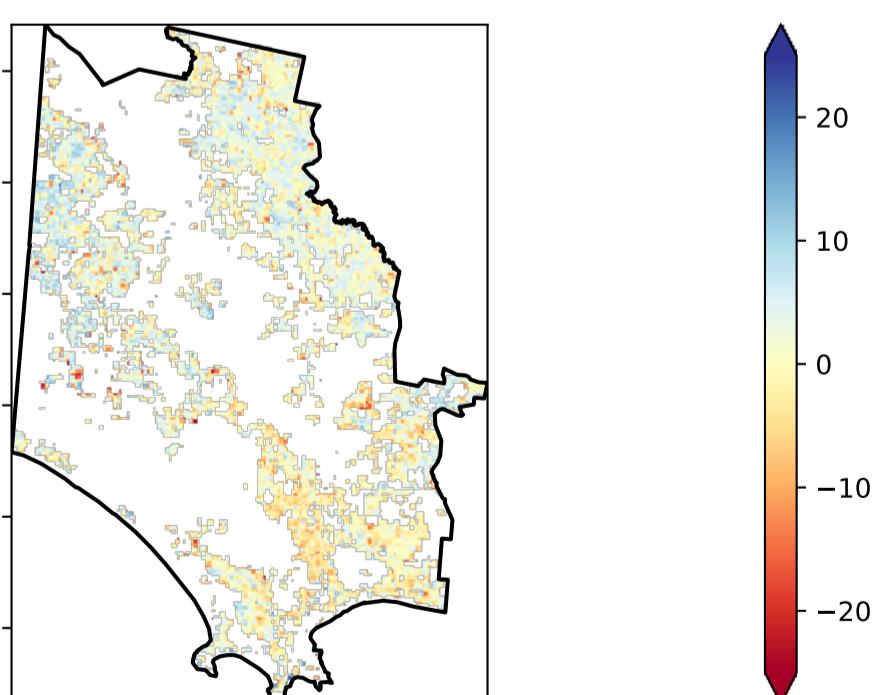
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

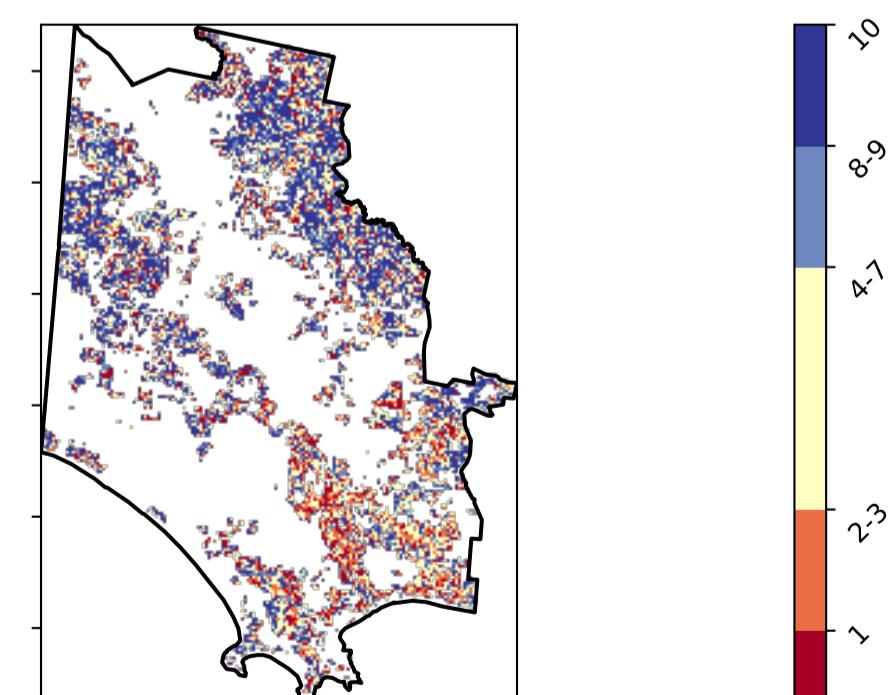


**Total Vegetation Cover Anomaly [%]**



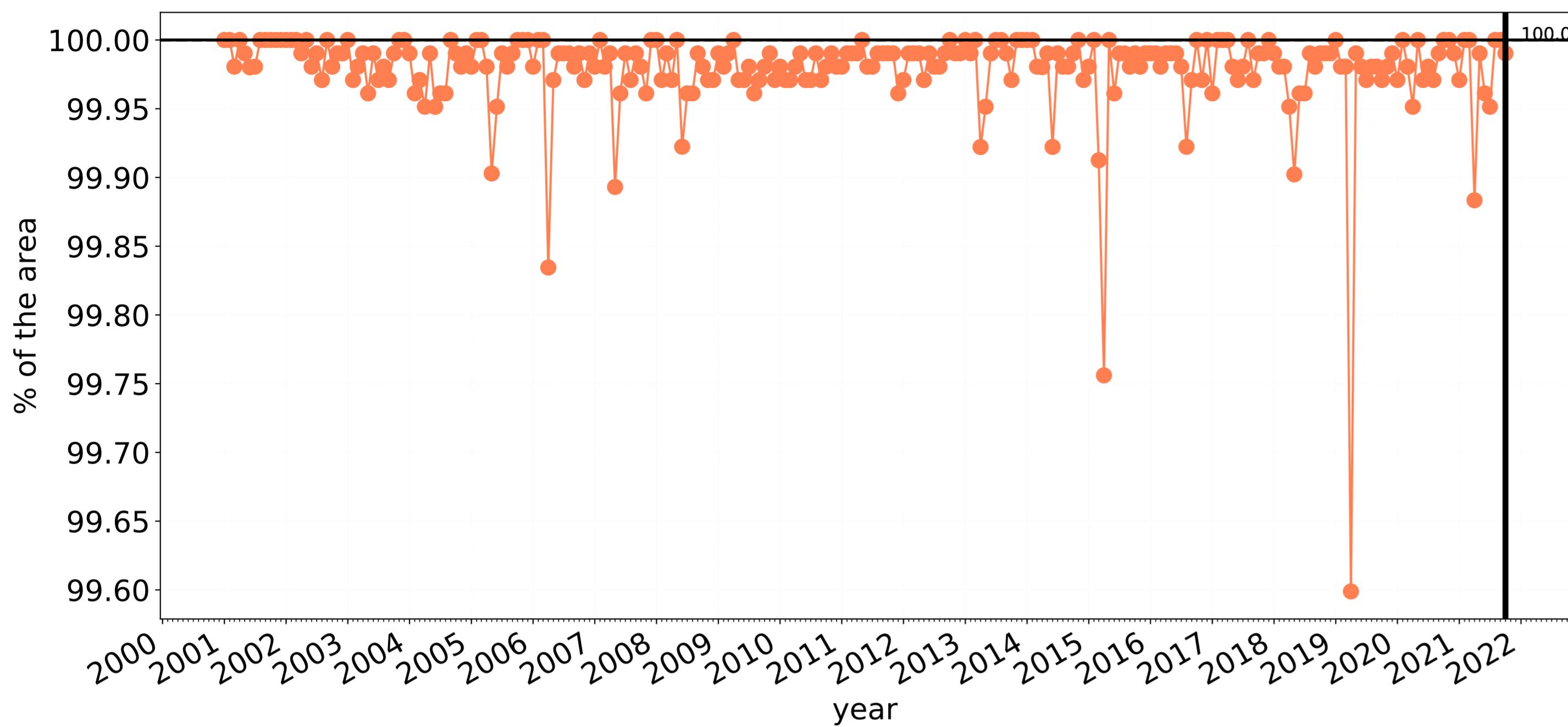
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

**Total Vegetation Cover Decile [%]**

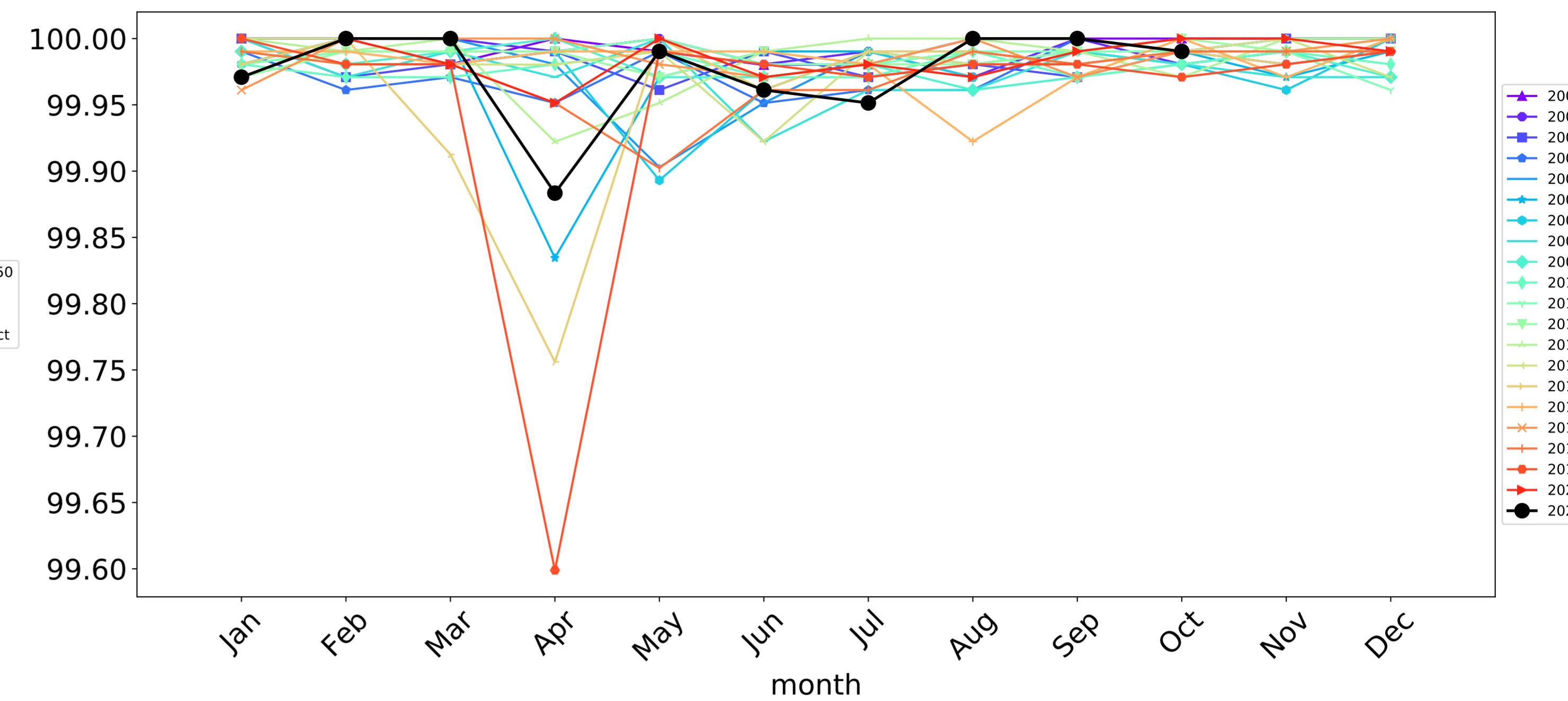


### Grazing non forest timeseries

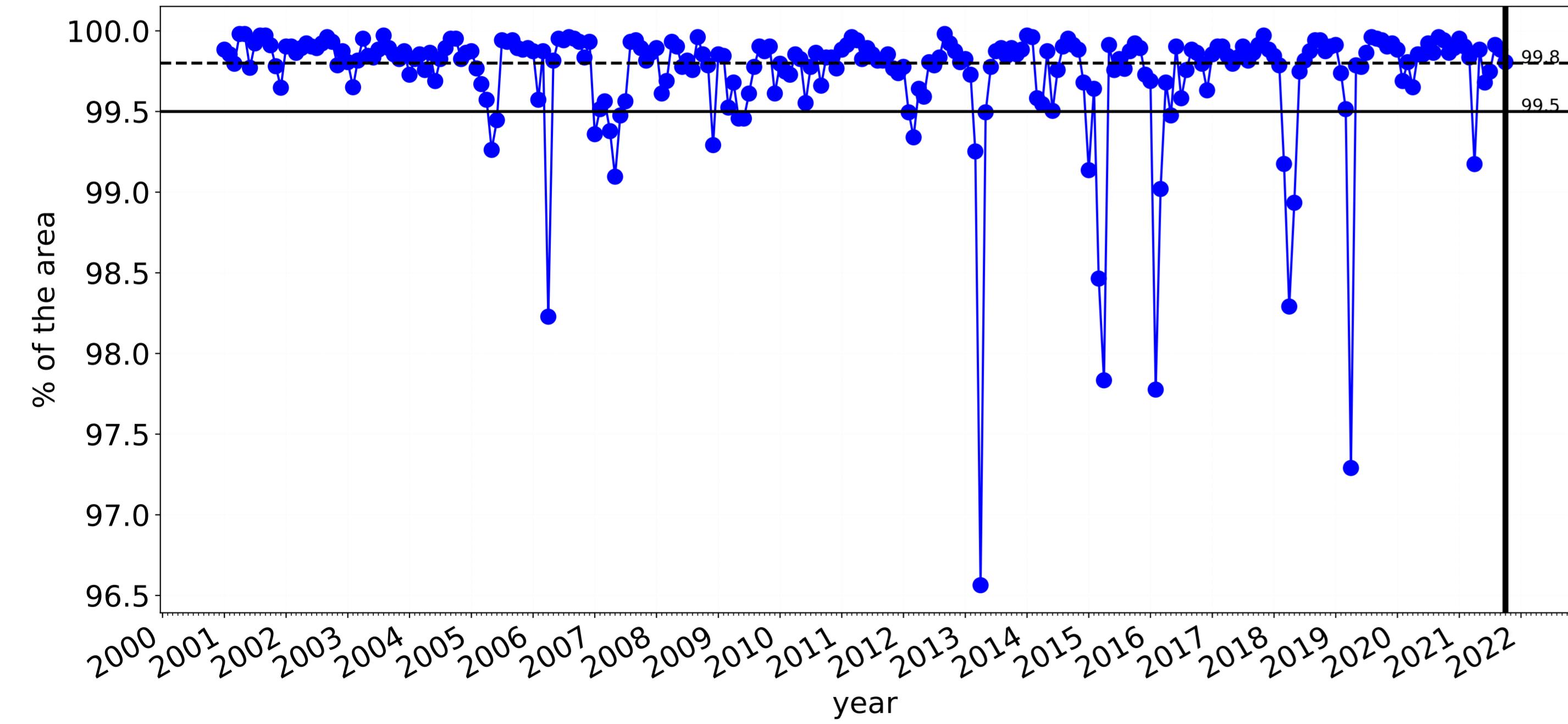
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



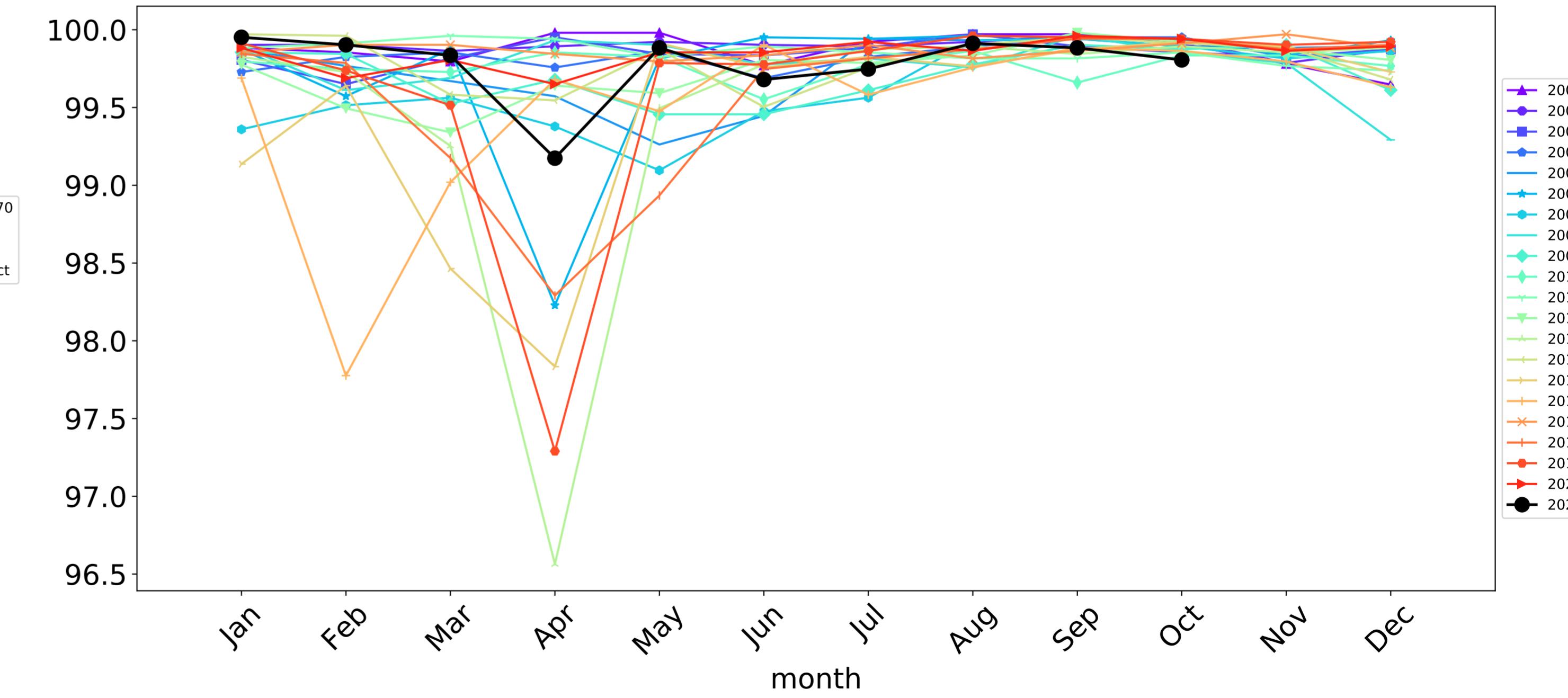
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



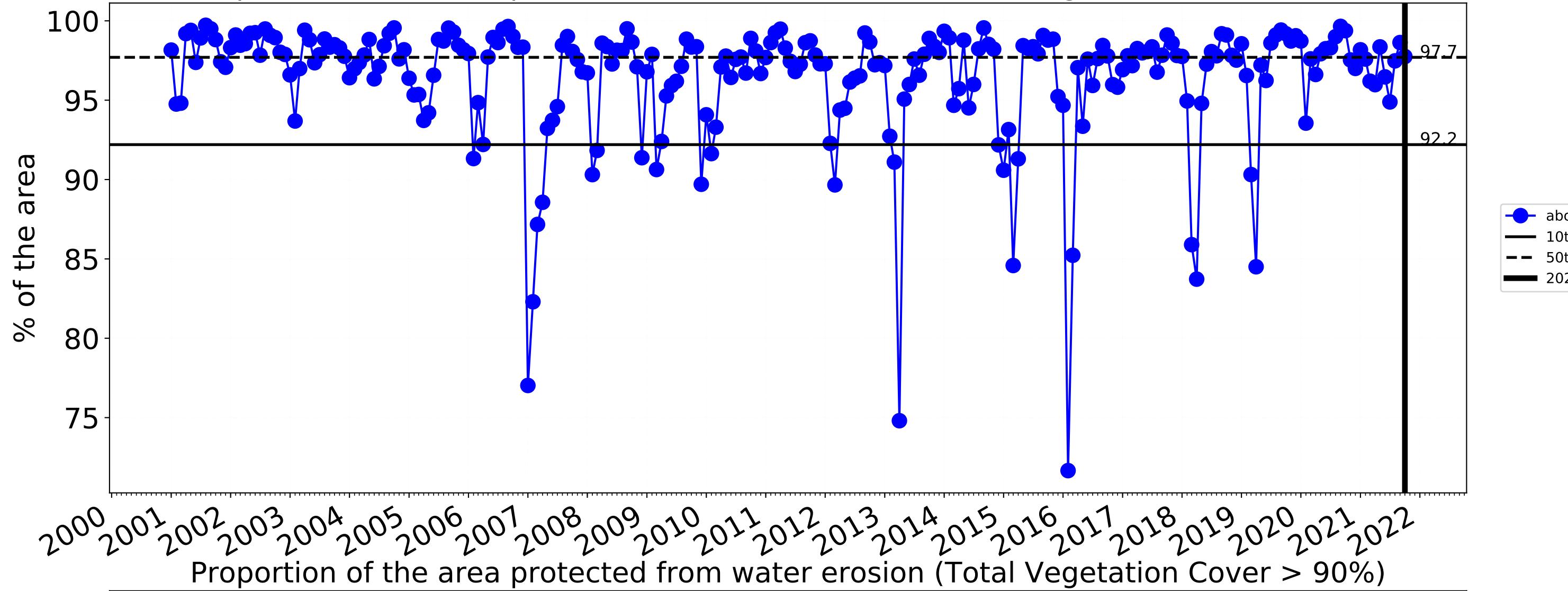
**tern**  
Ecosystem Research Infrastructure



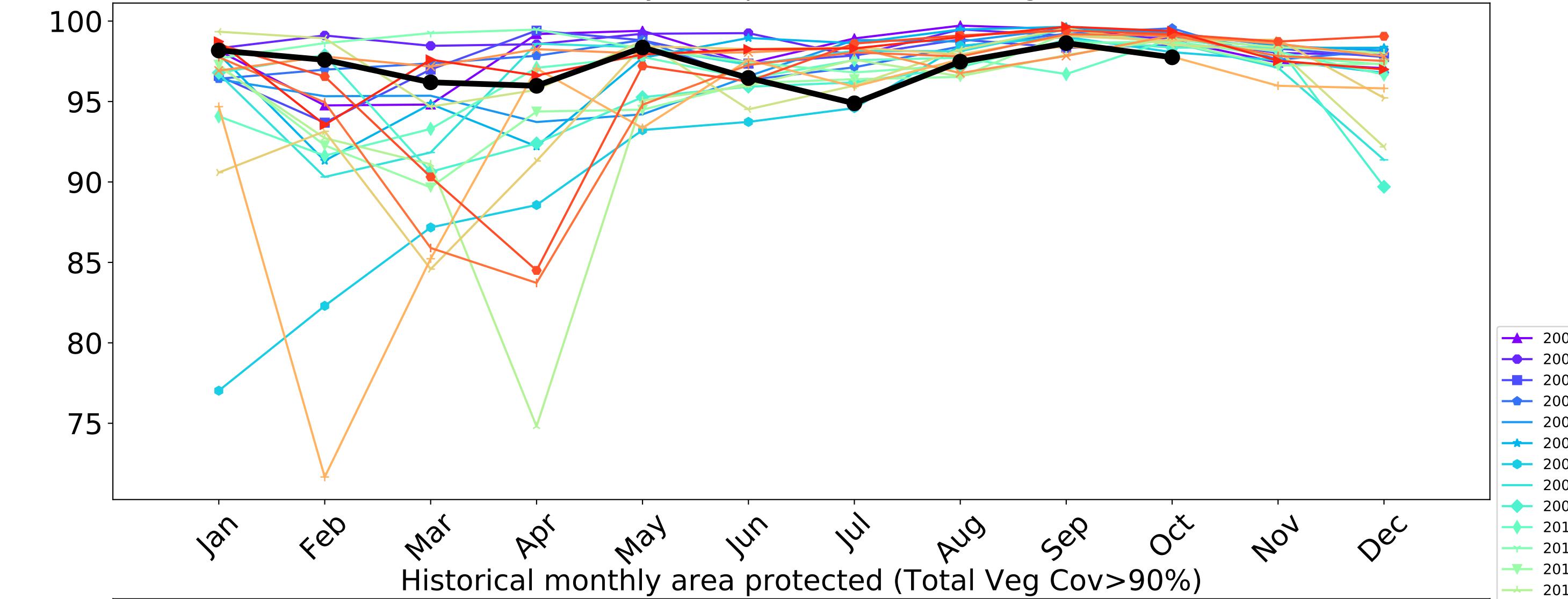
National  
Landcare  
Programme



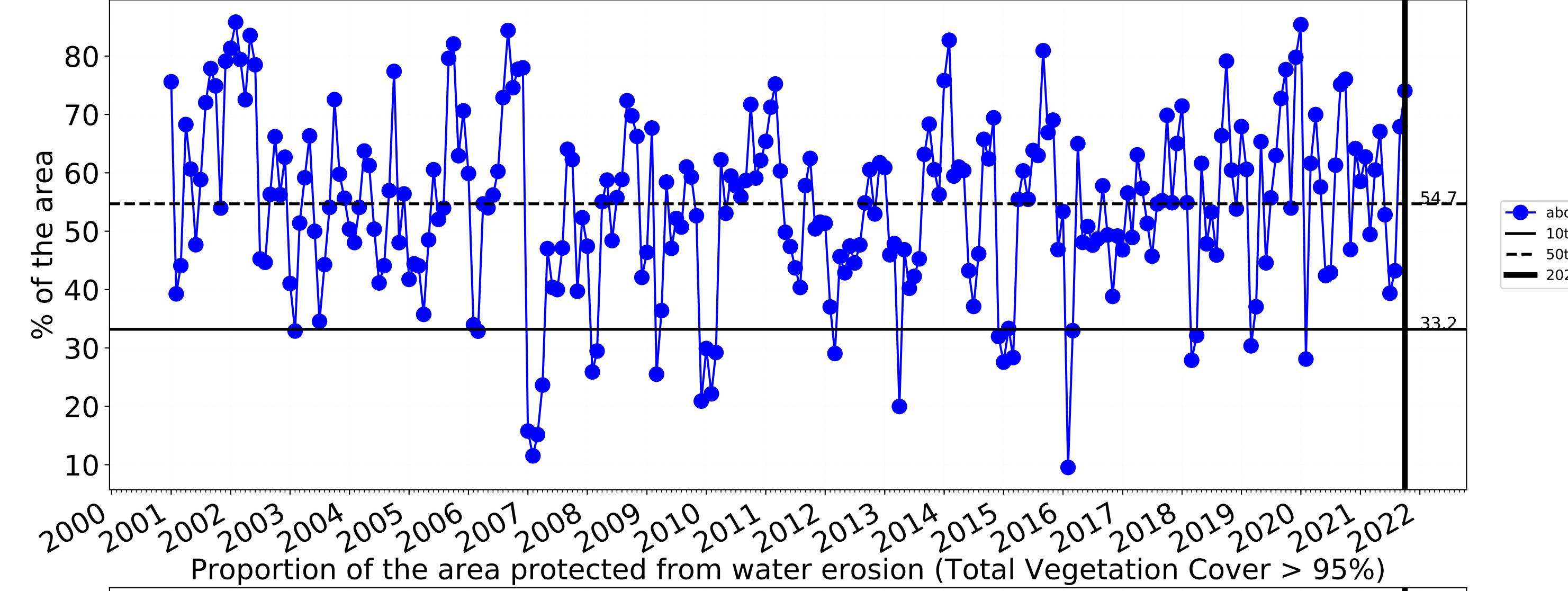
Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)



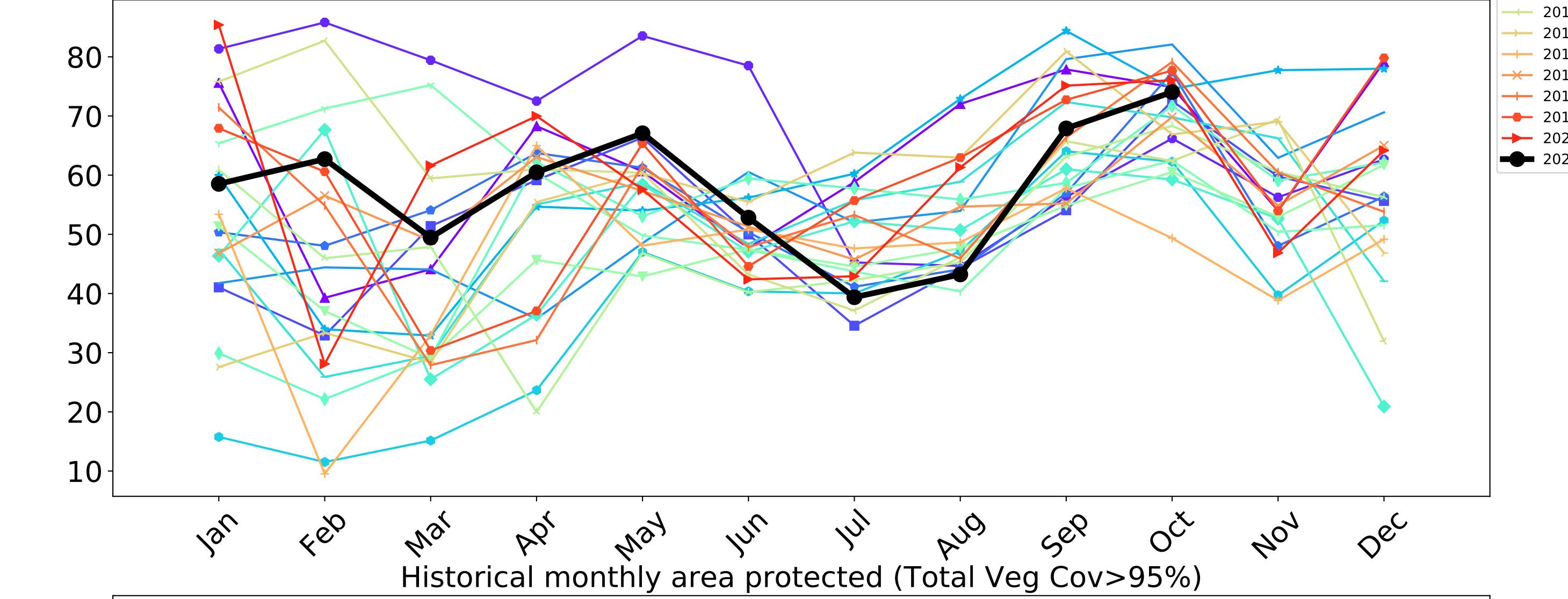
Historical monthly area protected (Total Veg Cov>80%)



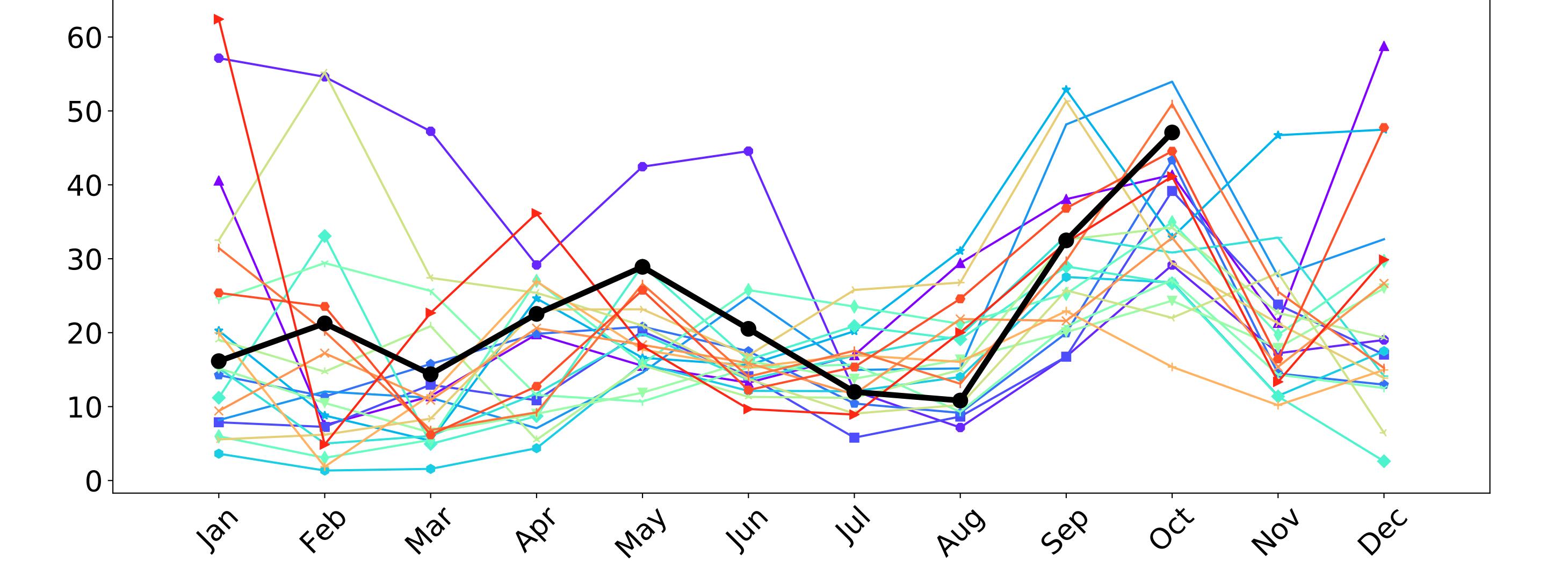
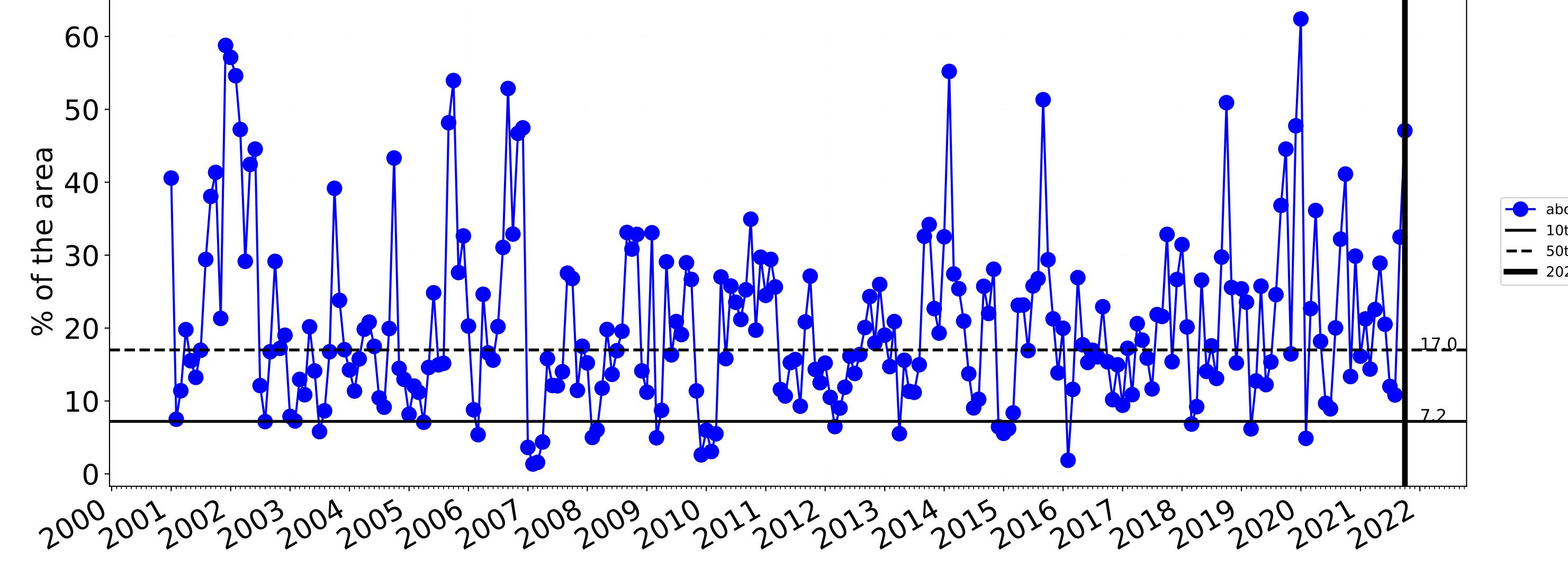
Proportion of the area protected from water erosion (Total Vegetation Cover > 90%)



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

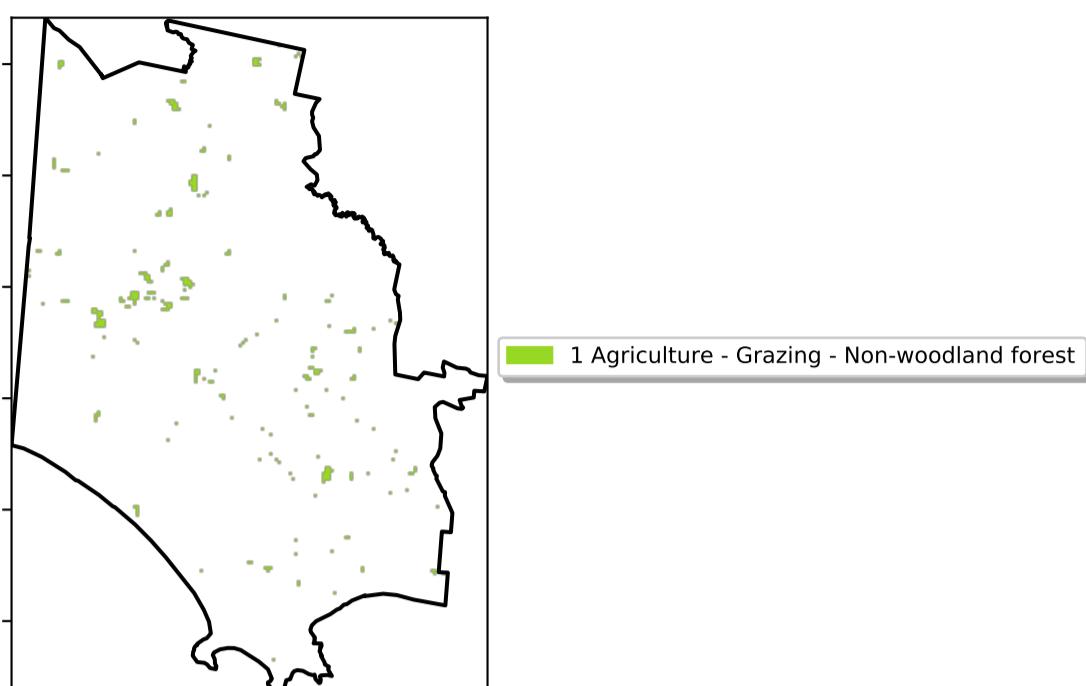


Proportion of the area protected from water erosion (Total Vegetation Cover > 95%)

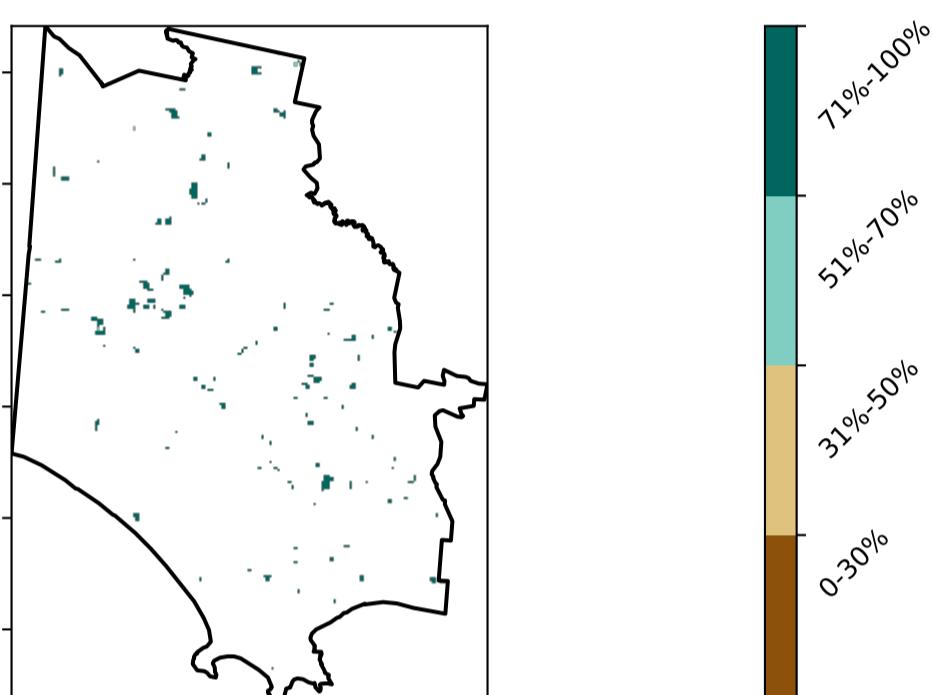


## Grazing - Forest (non woodland)

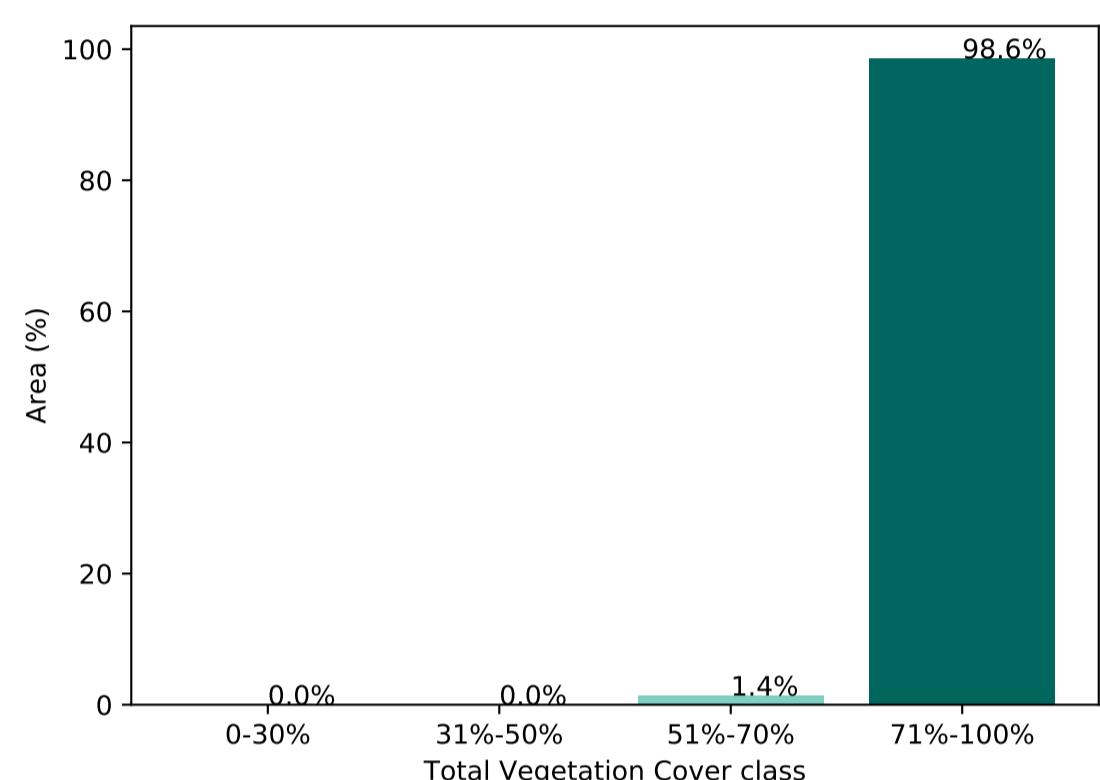
**Land use and forest cover**



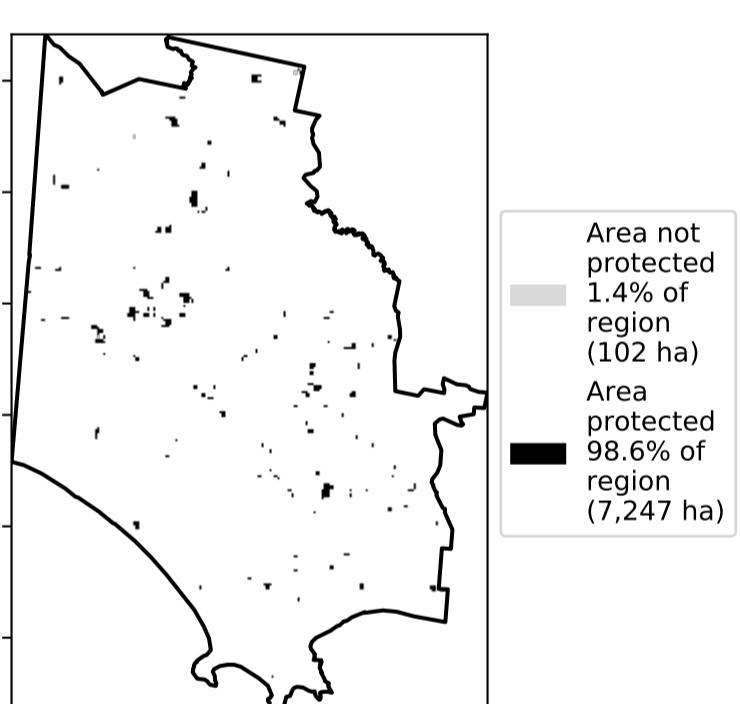
**Total Vegetation Cover [%]**



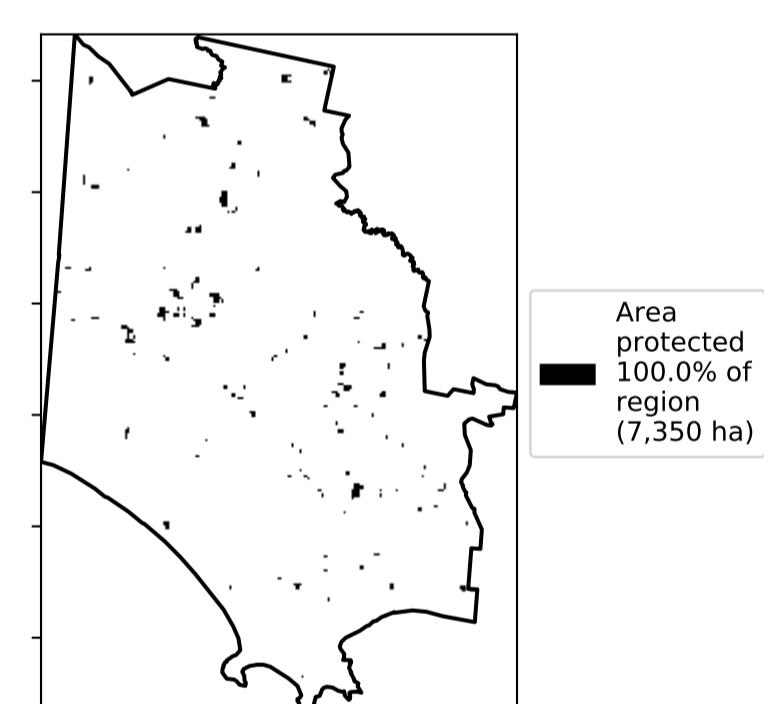
**Proportion of vegetation cover class in area**



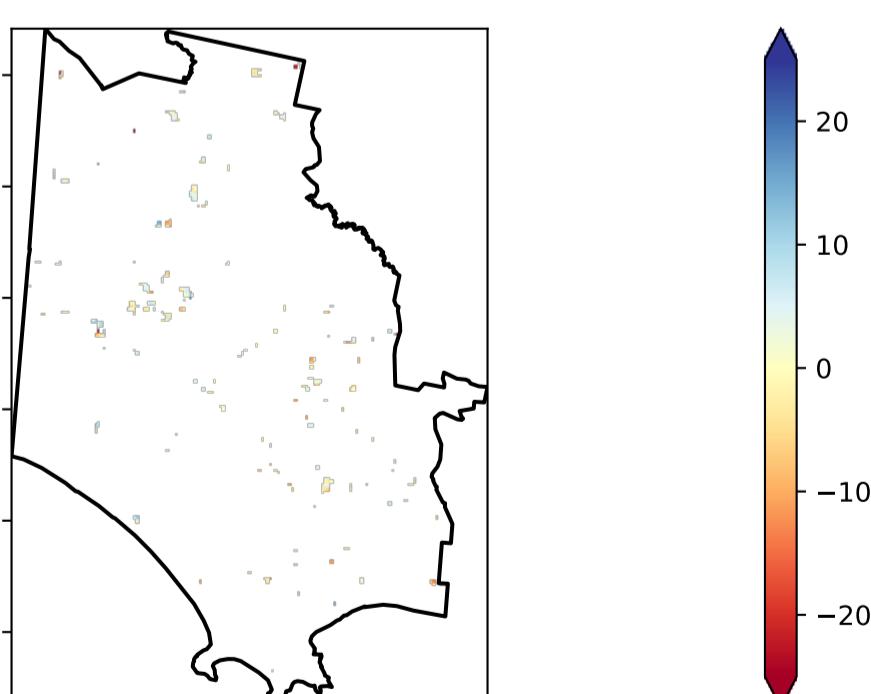
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

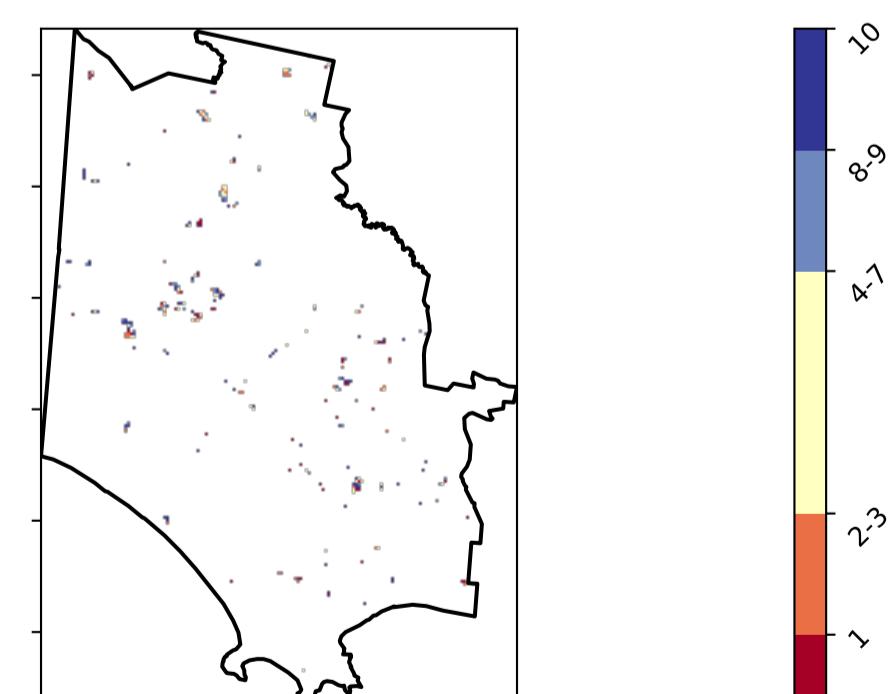


**Total Vegetation Cover Anomaly [%]**



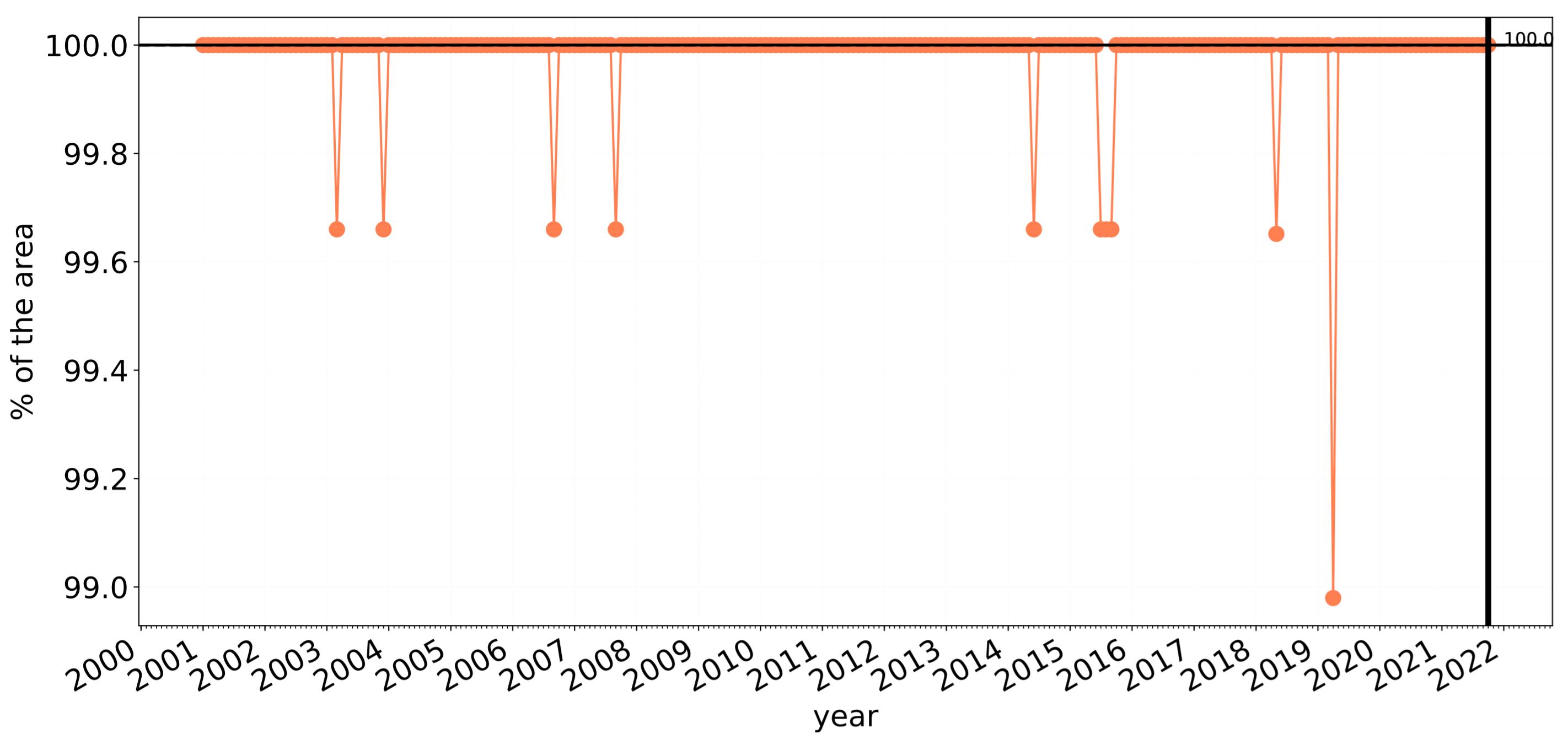
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

**Total Vegetation Cover Decile [%]**

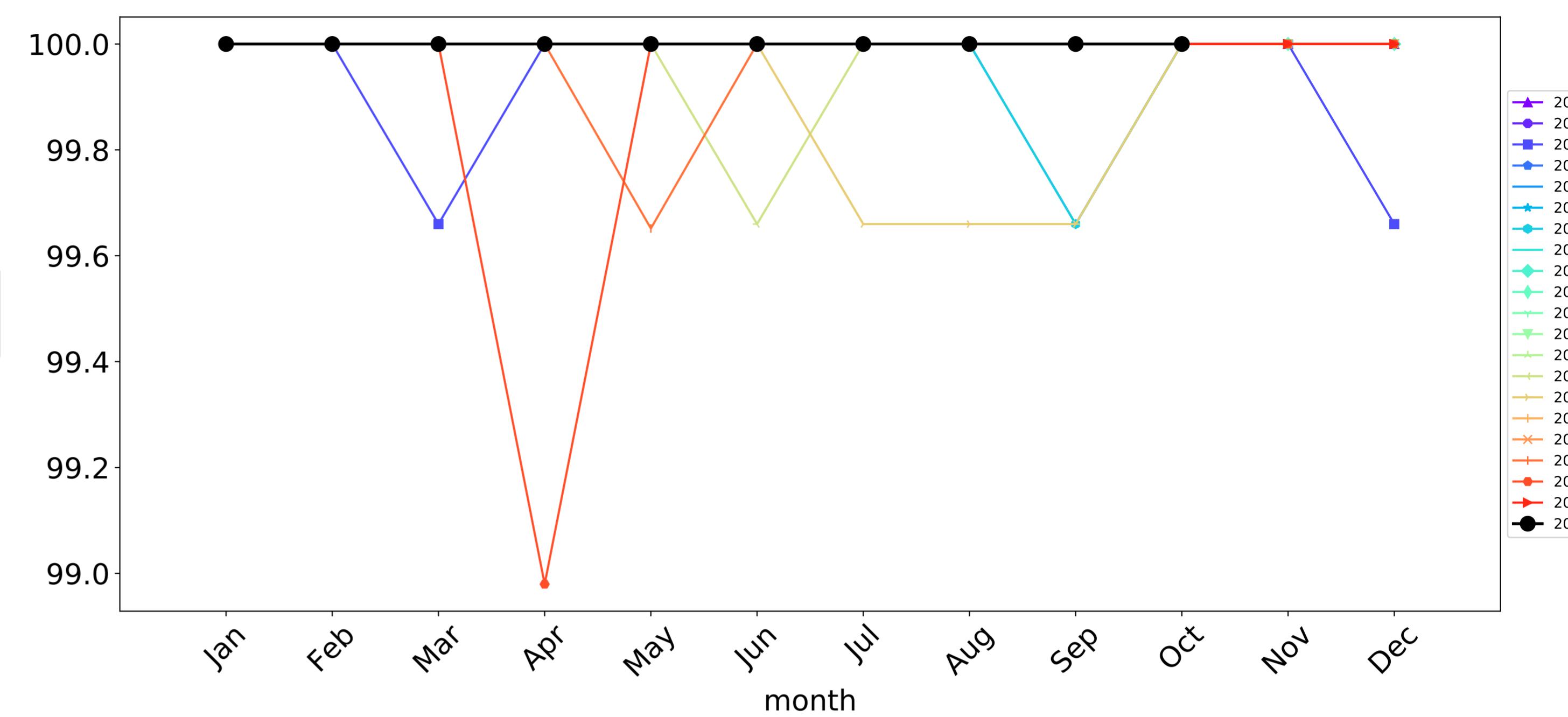


### Grazing - Forest (non woodland) timeseries

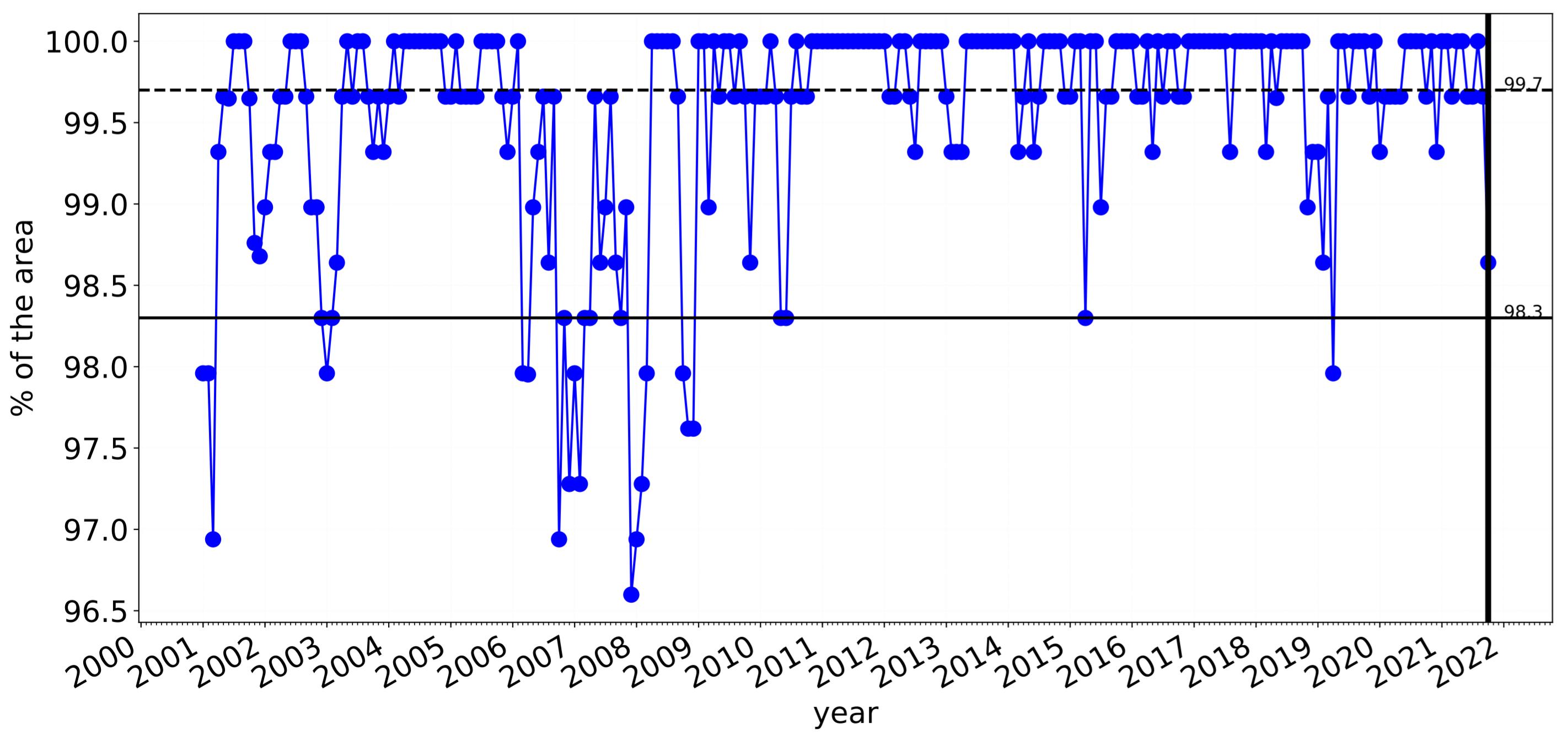
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



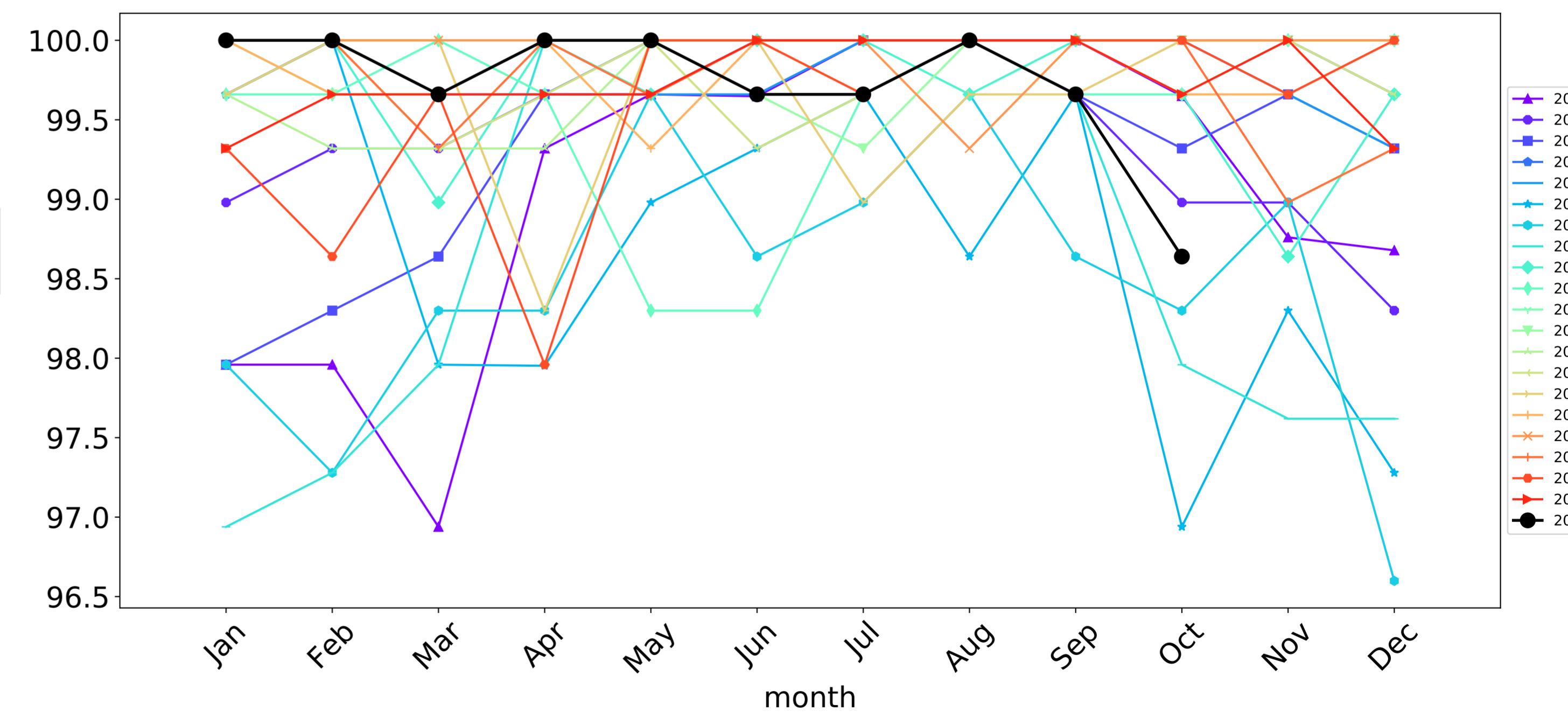
Wind erosion historical monthly area protected (Total Veg Cov >50%)



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



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



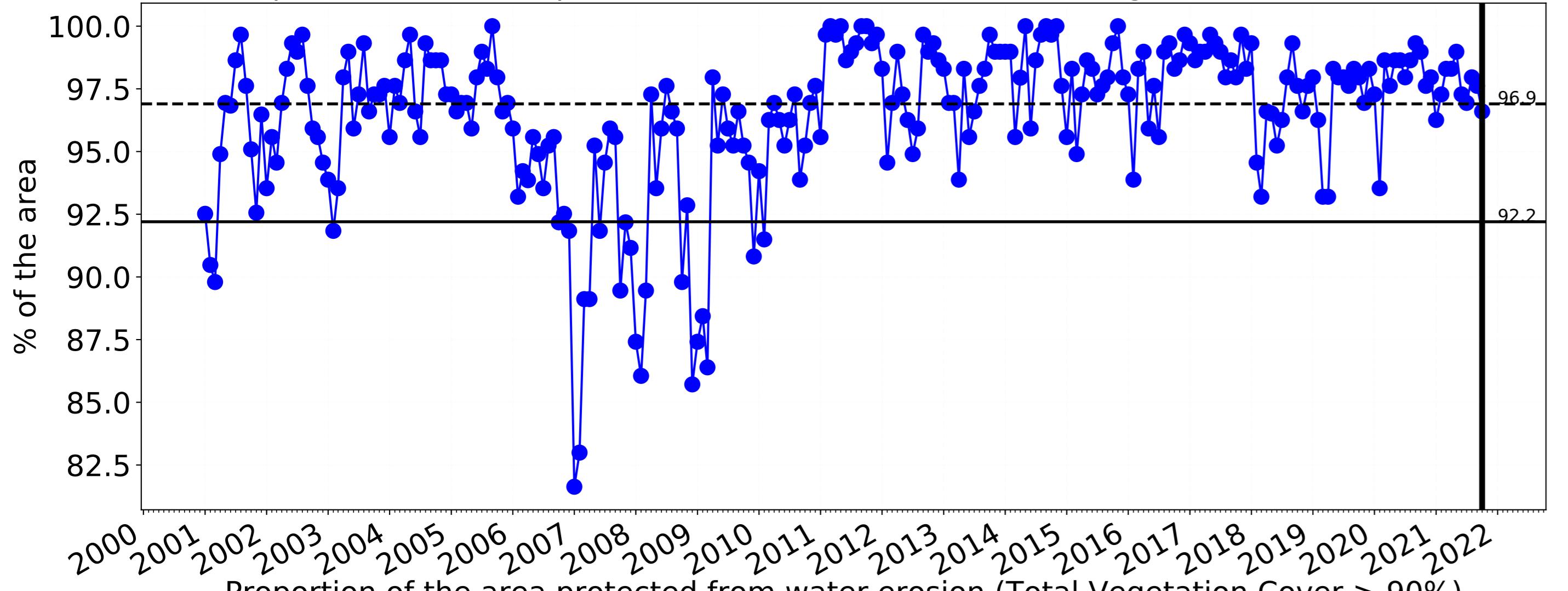
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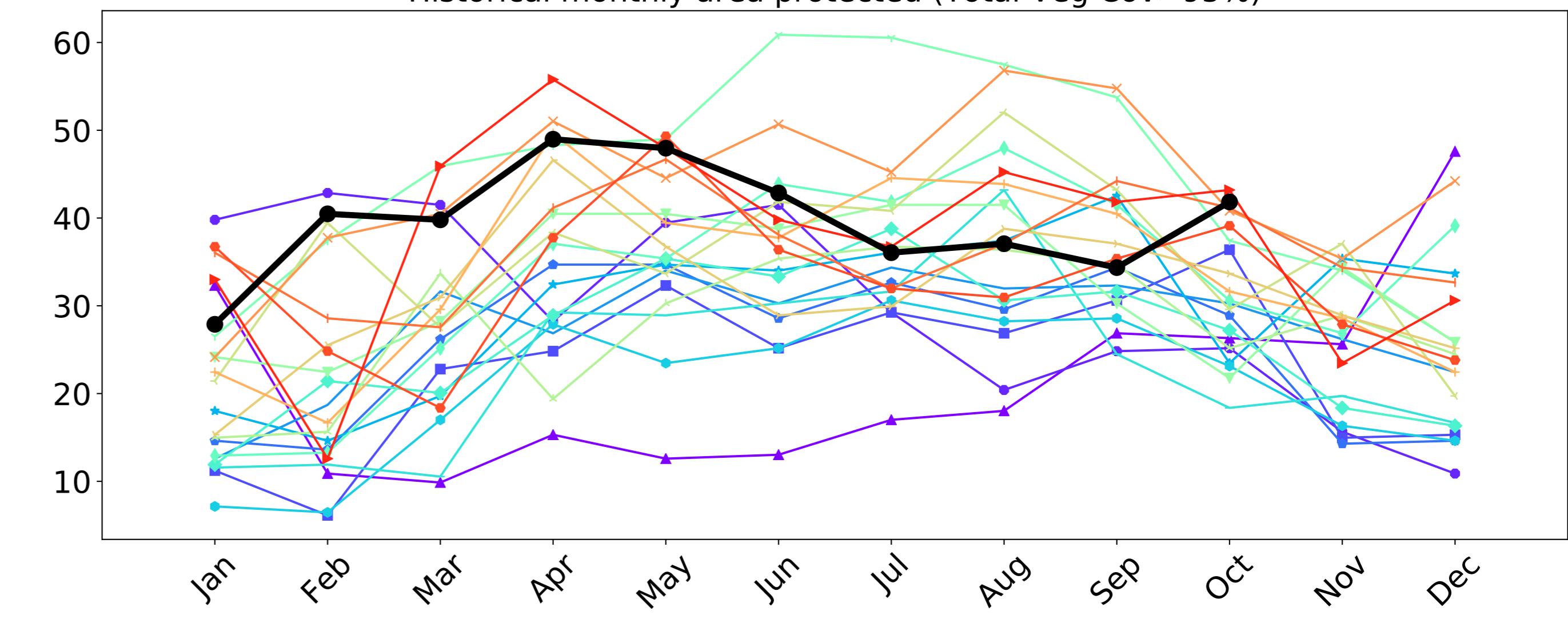
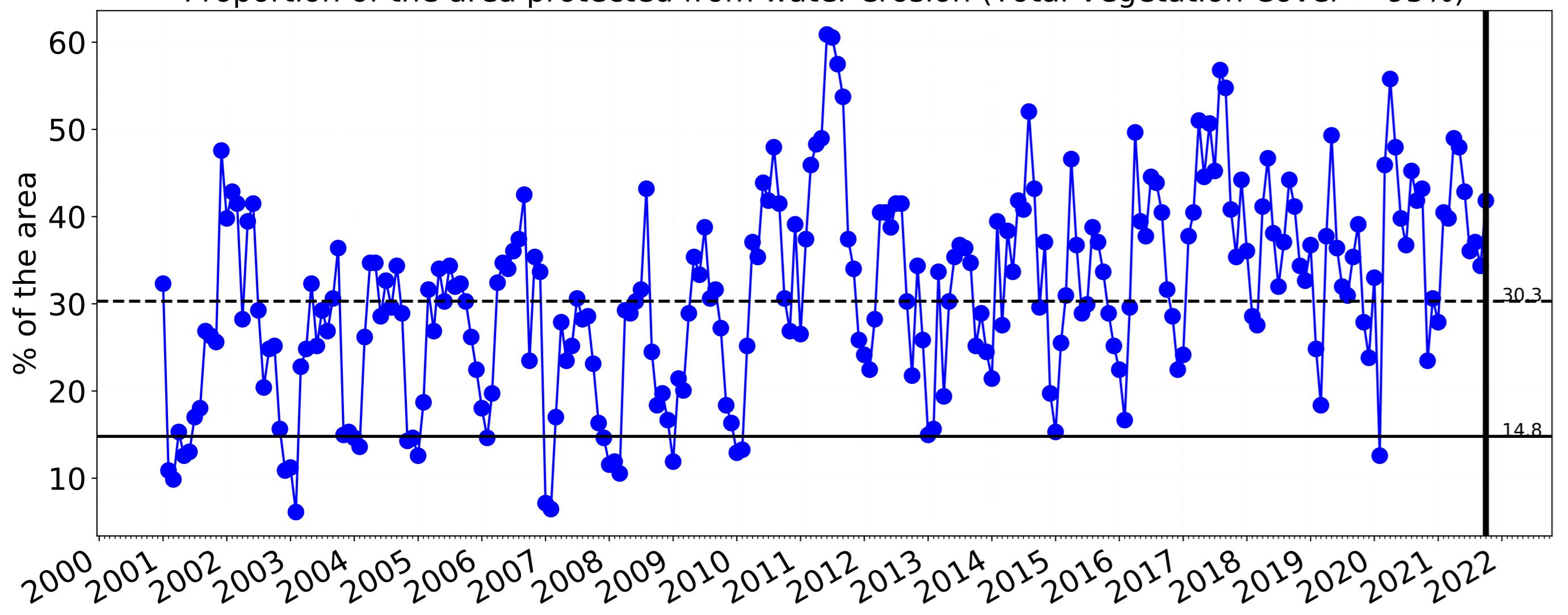
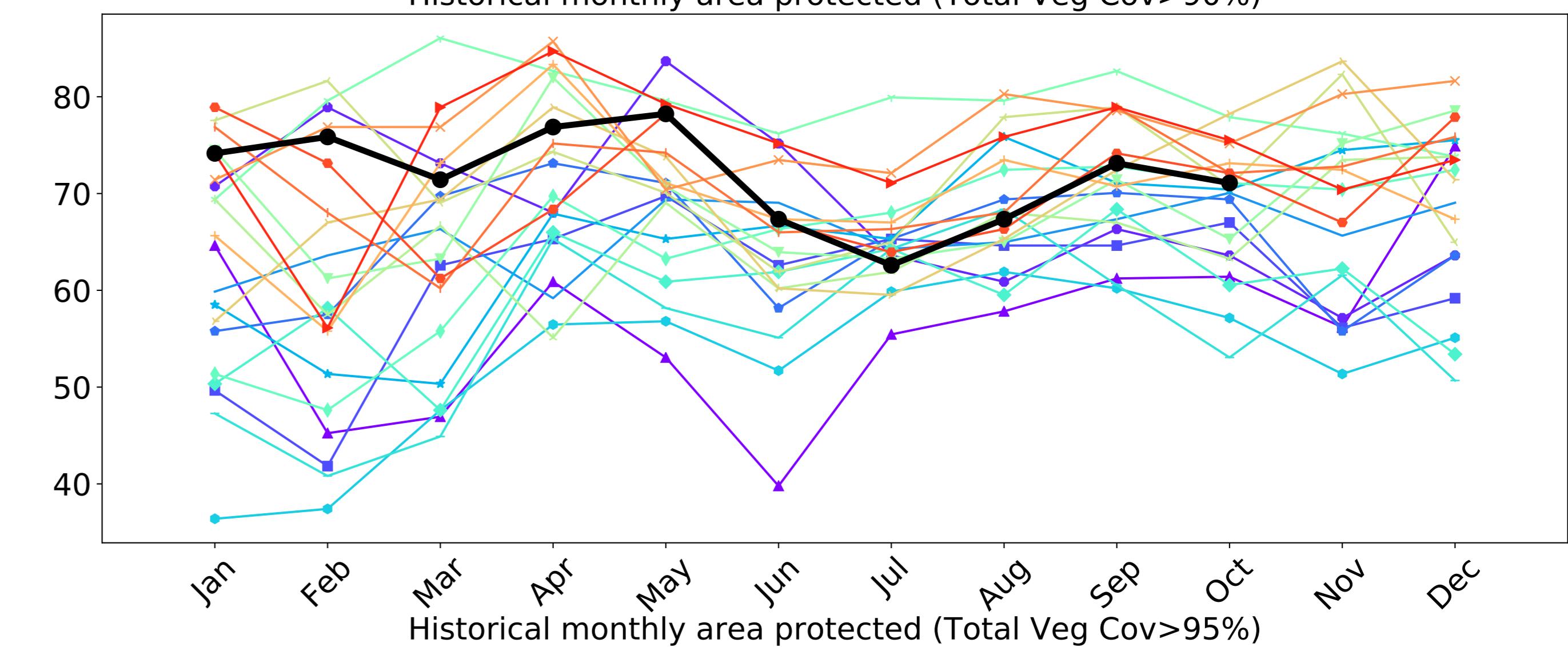
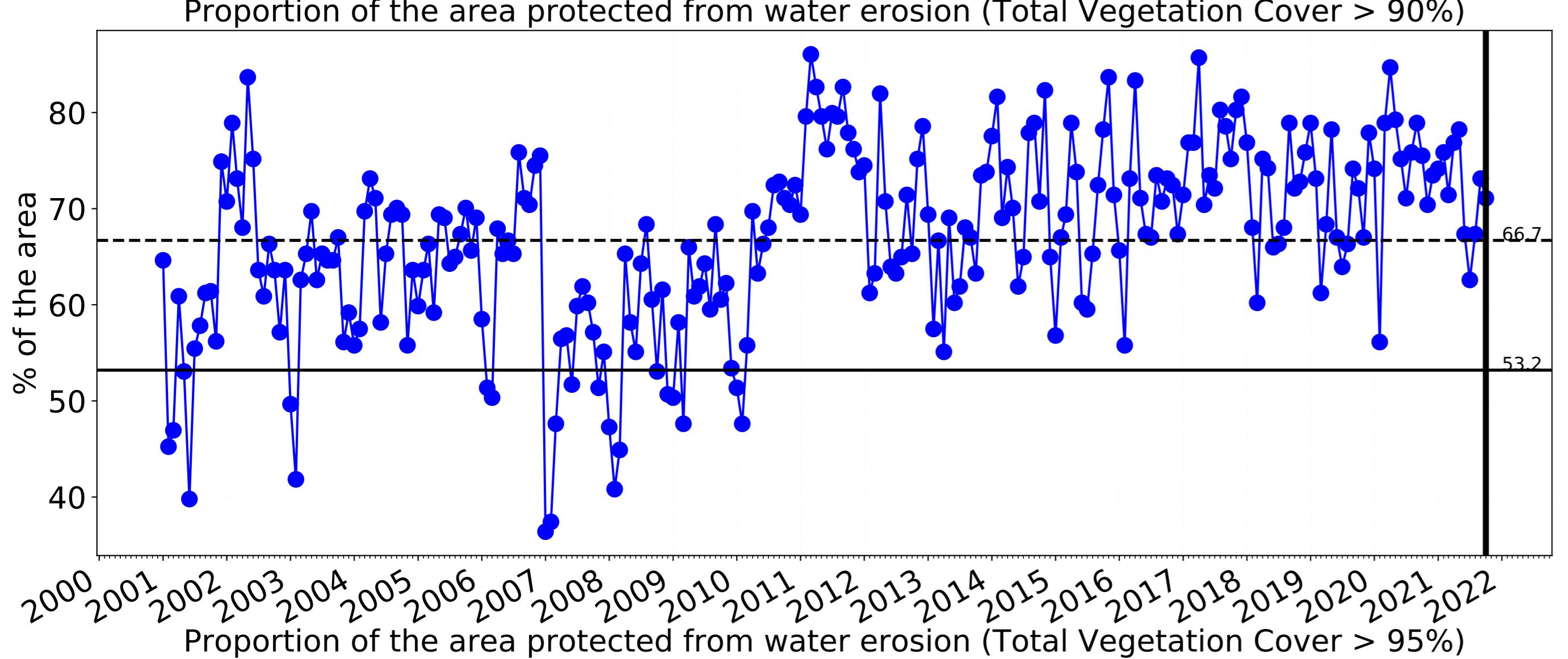
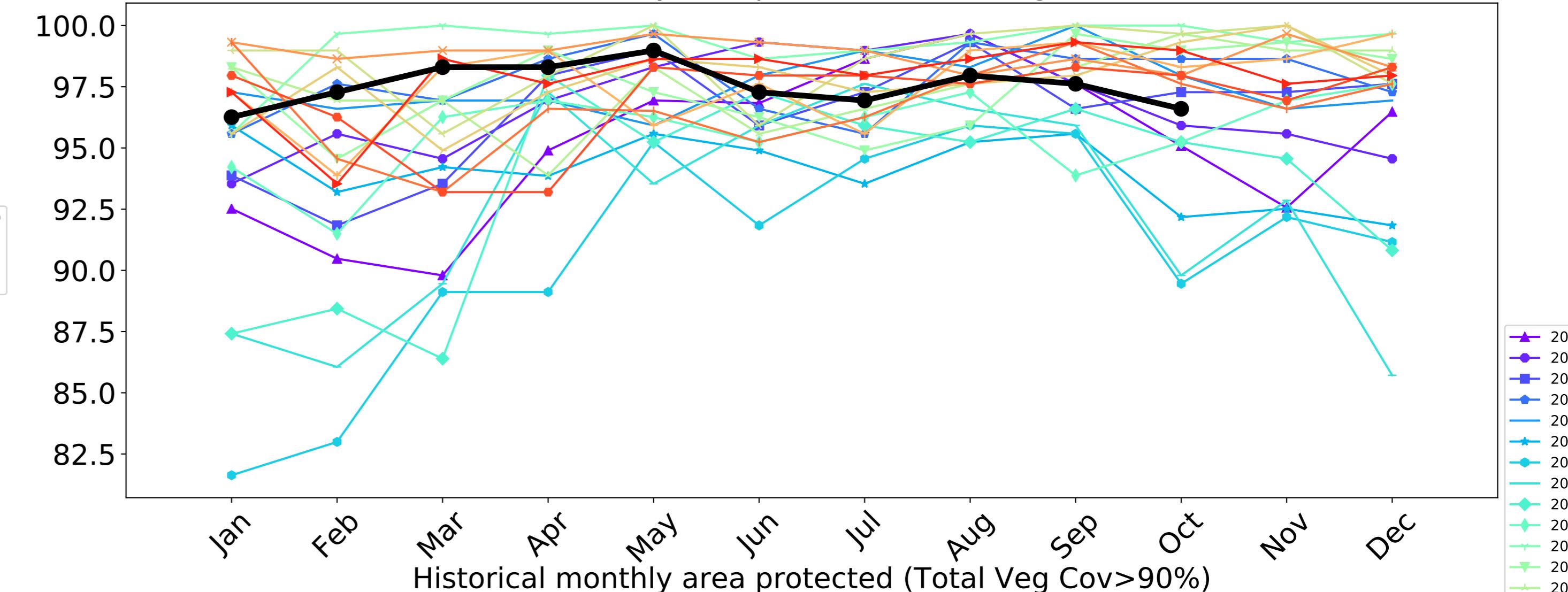
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Proportion of the area protected from water erosion (Total Vegetation Cover > 80%)

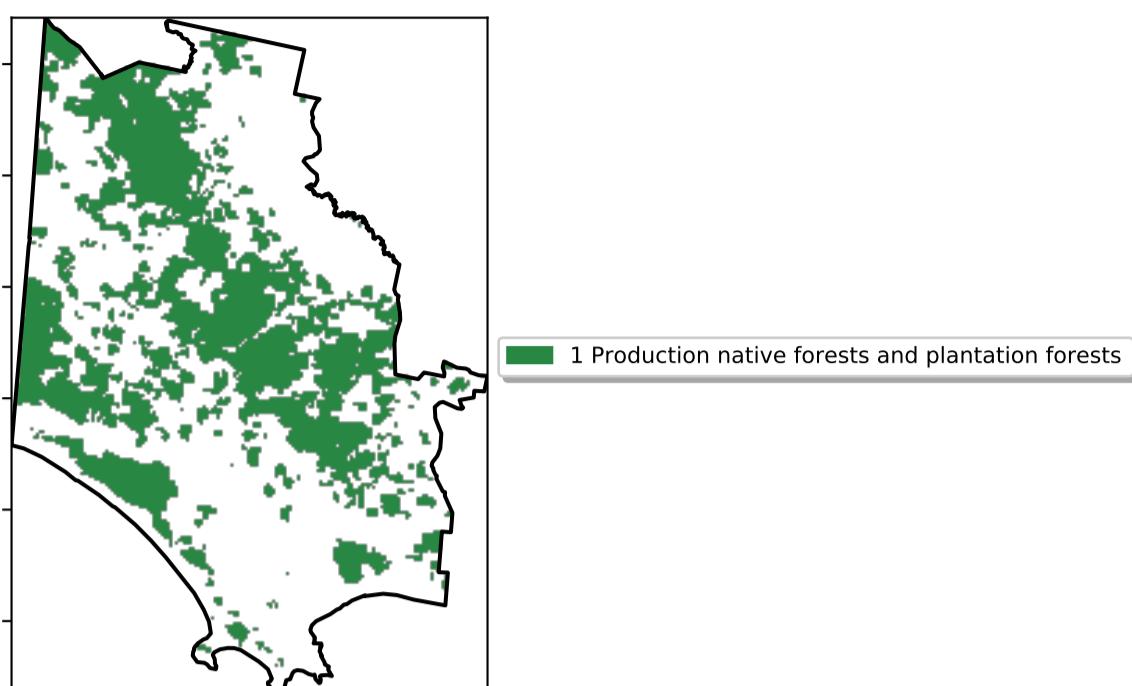


Historical monthly area protected (Total Veg Cov>80%)

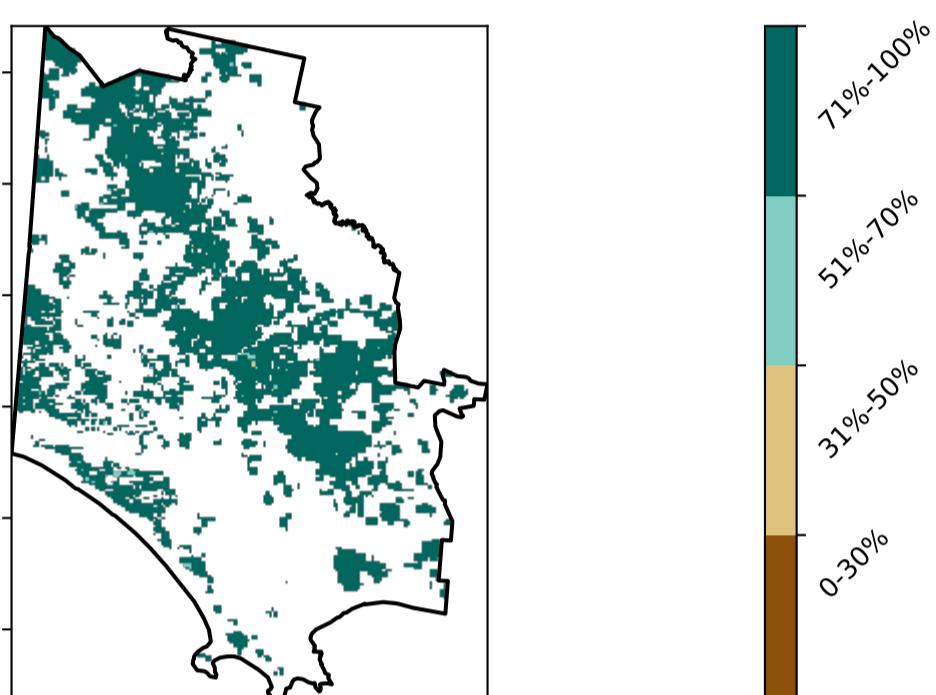


# Production native forests and plantation forests

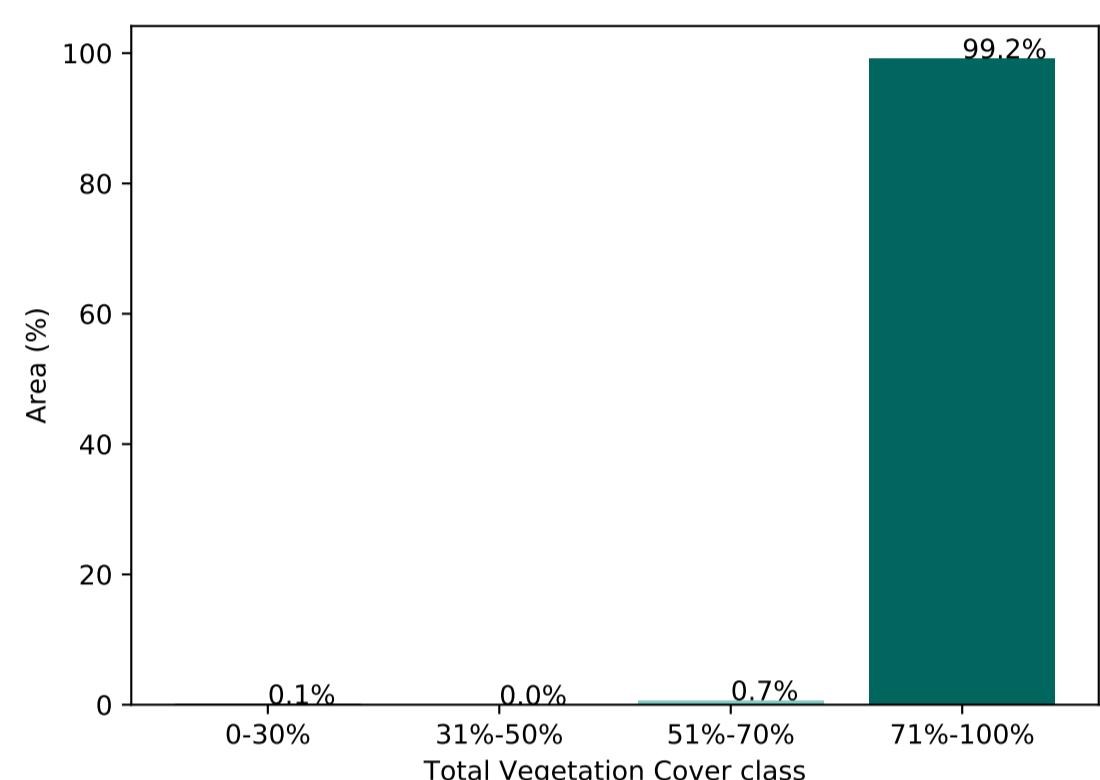
**Land use and forest cover**



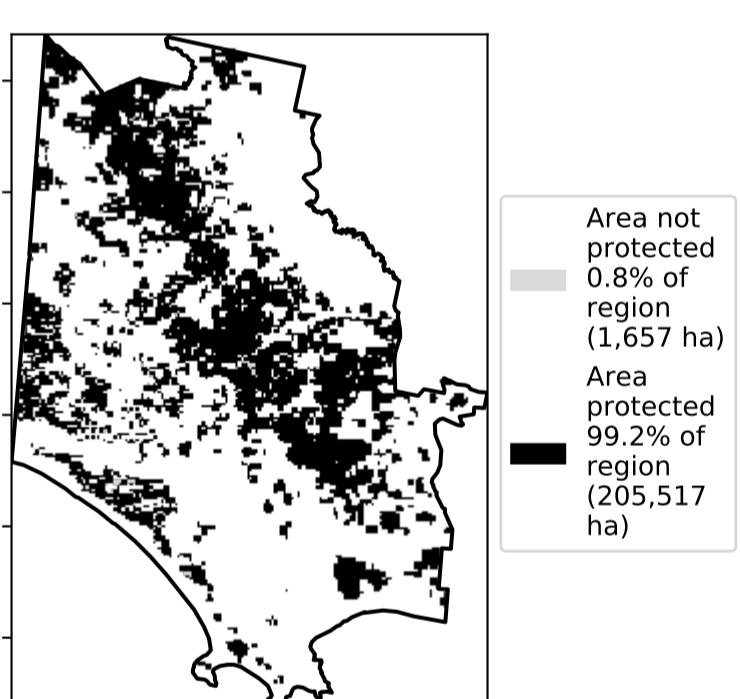
**Total Vegetation Cover [%]**



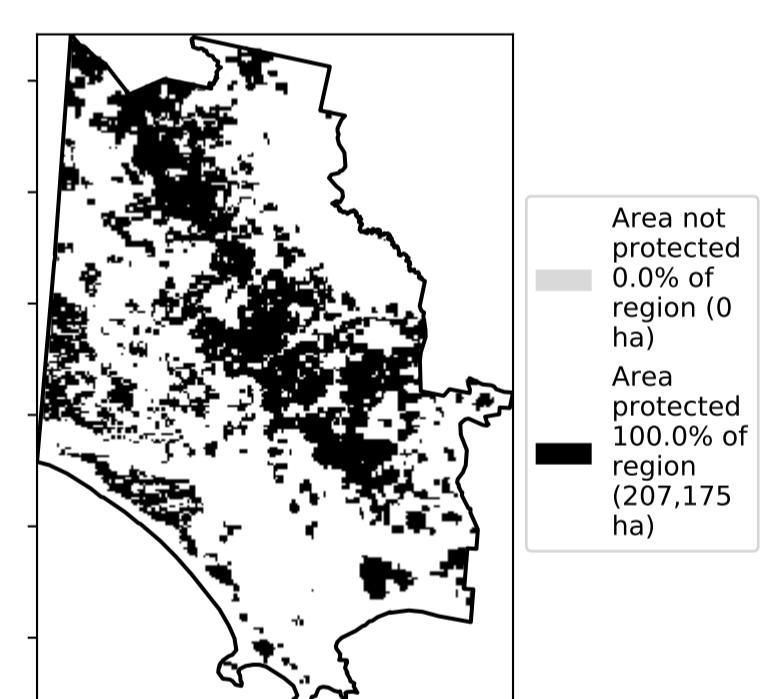
**Proportion of vegetation cover class in area**



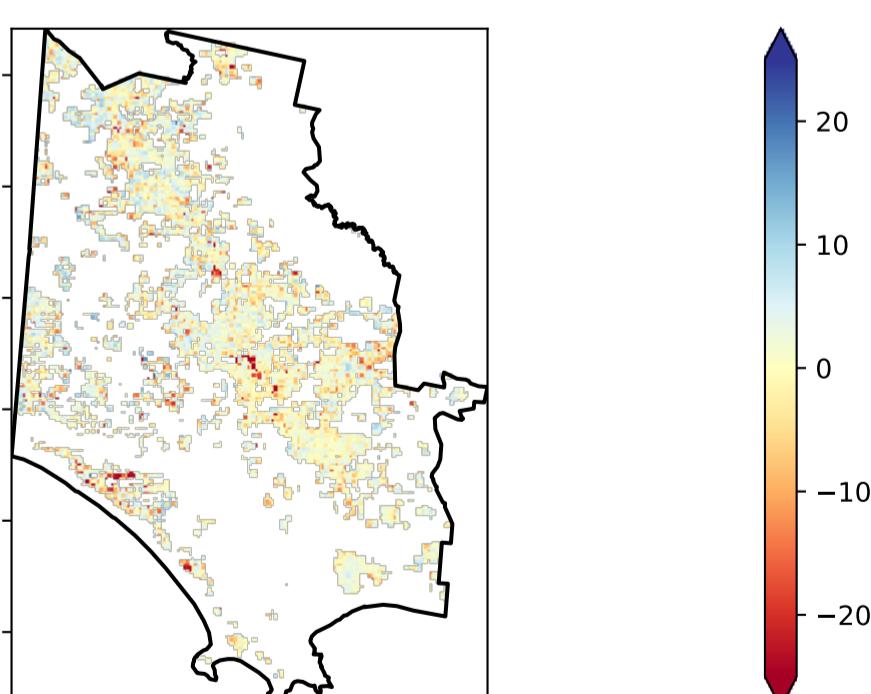
**% Area protected from water erosion (>70%)**



**% Area protected from wind erosion (>50%)**

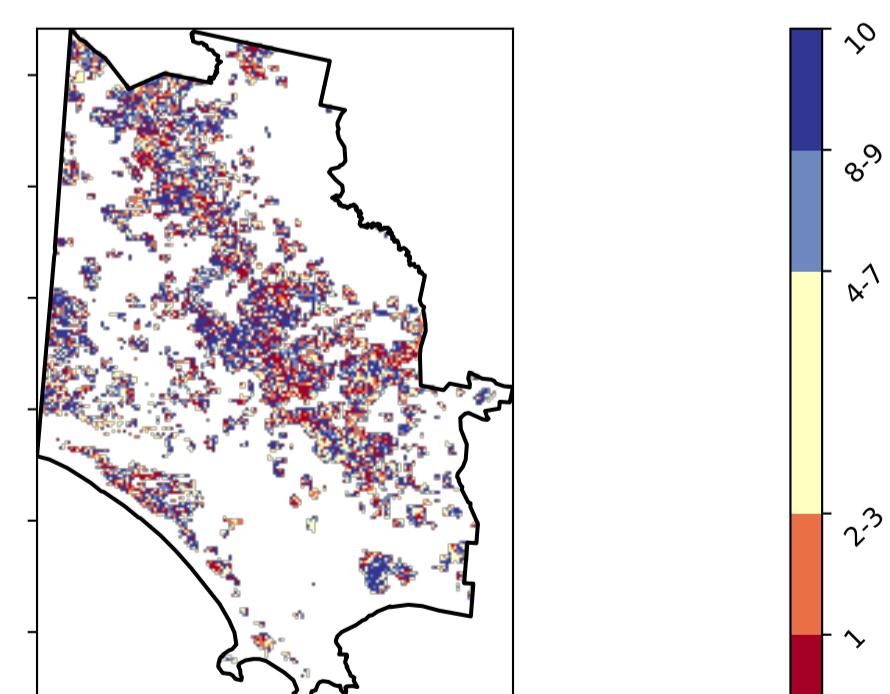


**Total Vegetation Cover Anomaly [%]**



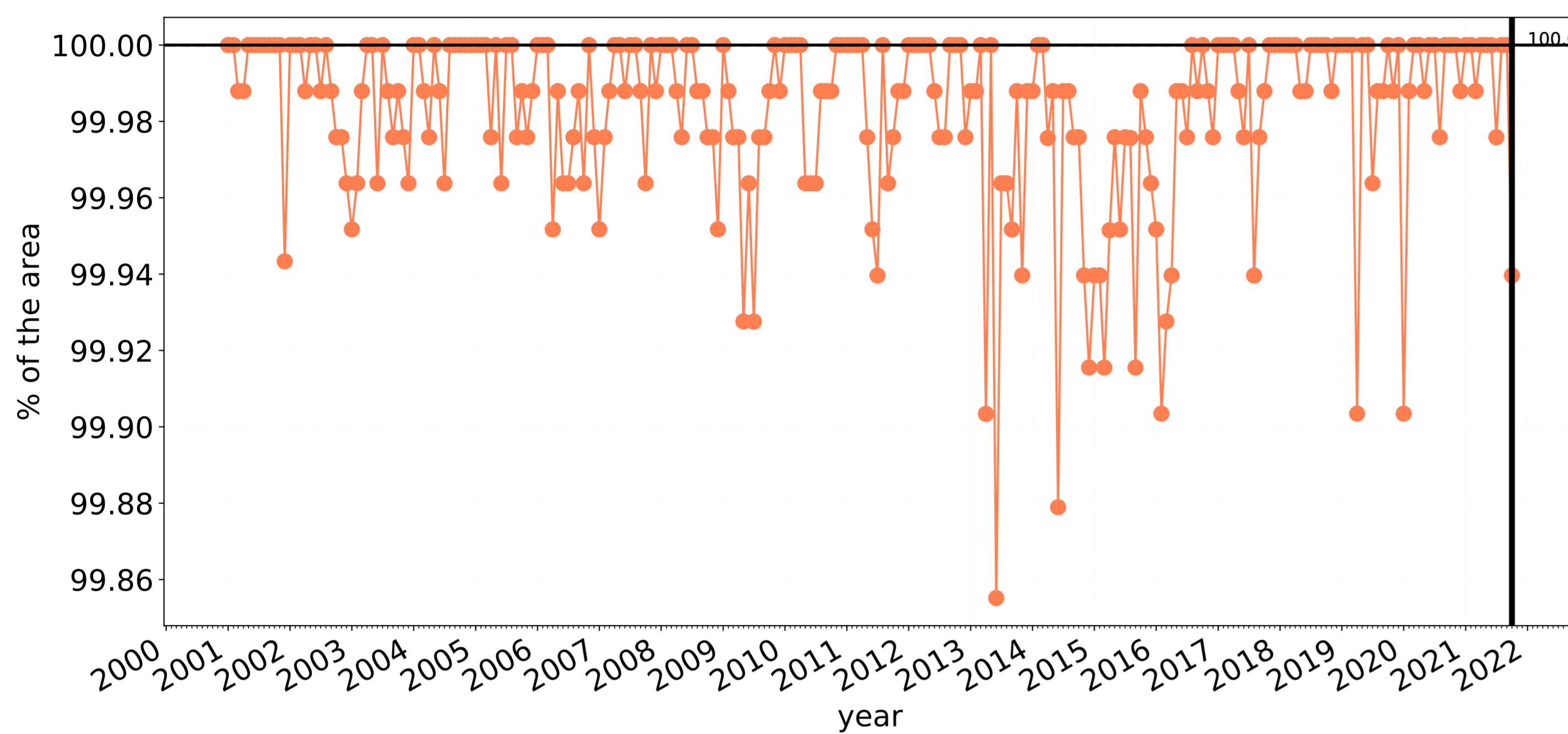
Deciles show where the pixel value lies in the record, from highest to lowest, for that month. That is, red pixels are in the lowest 10% of records for that month of the map using baseline from 2001 to 2019.

**Total Vegetation Cover Decile [%]**

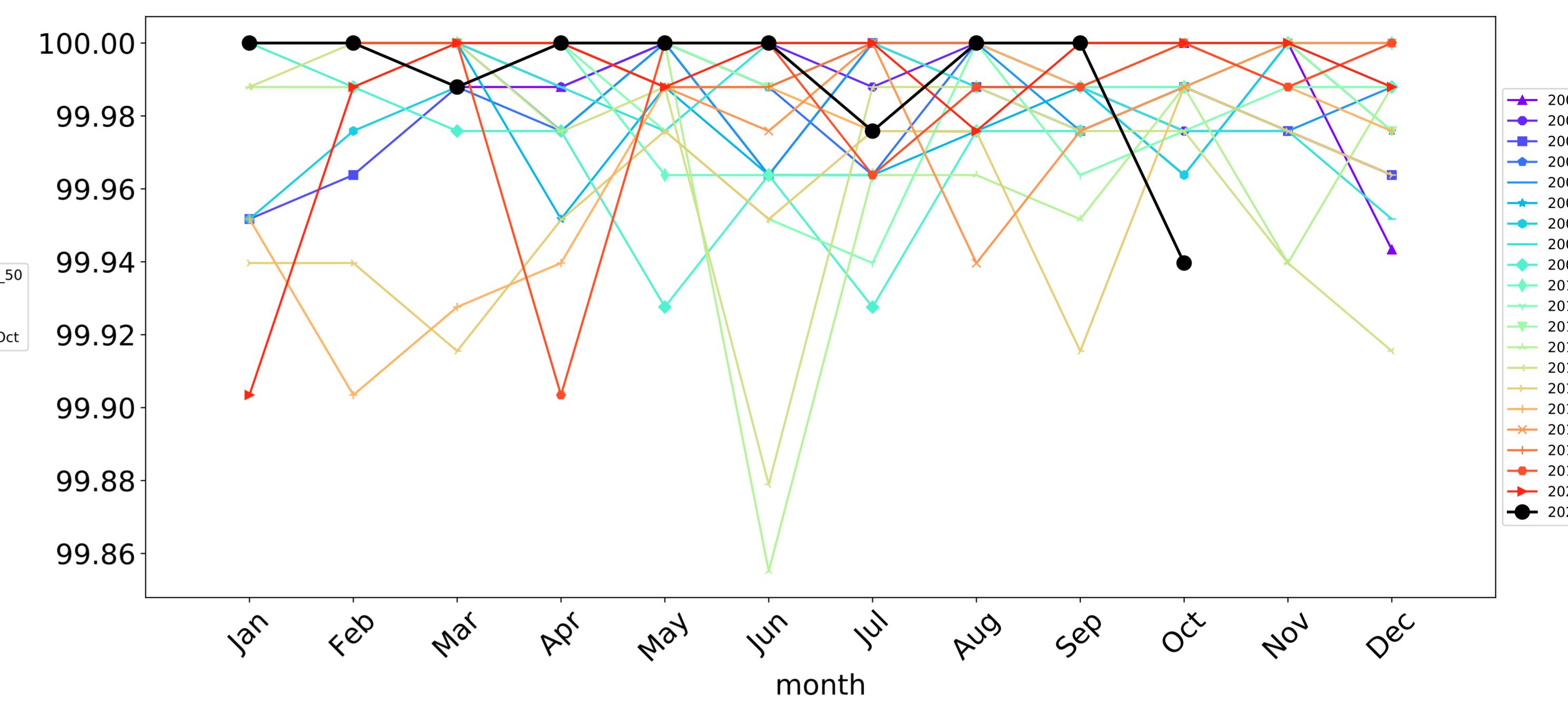


## Production native forests and plantation forests timeseries

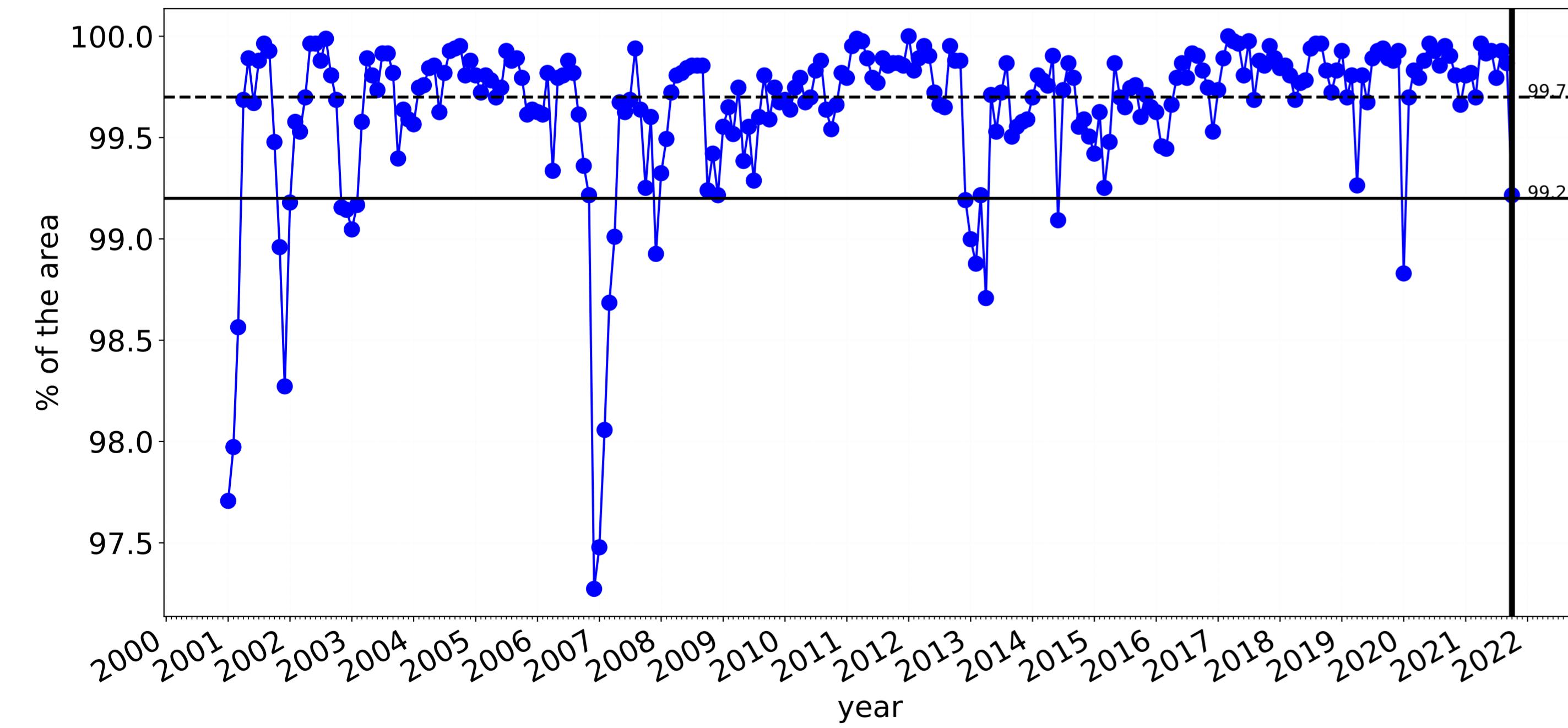
Proportion of the area protected from wind erosion (Total Vegetation Cover > 50%)



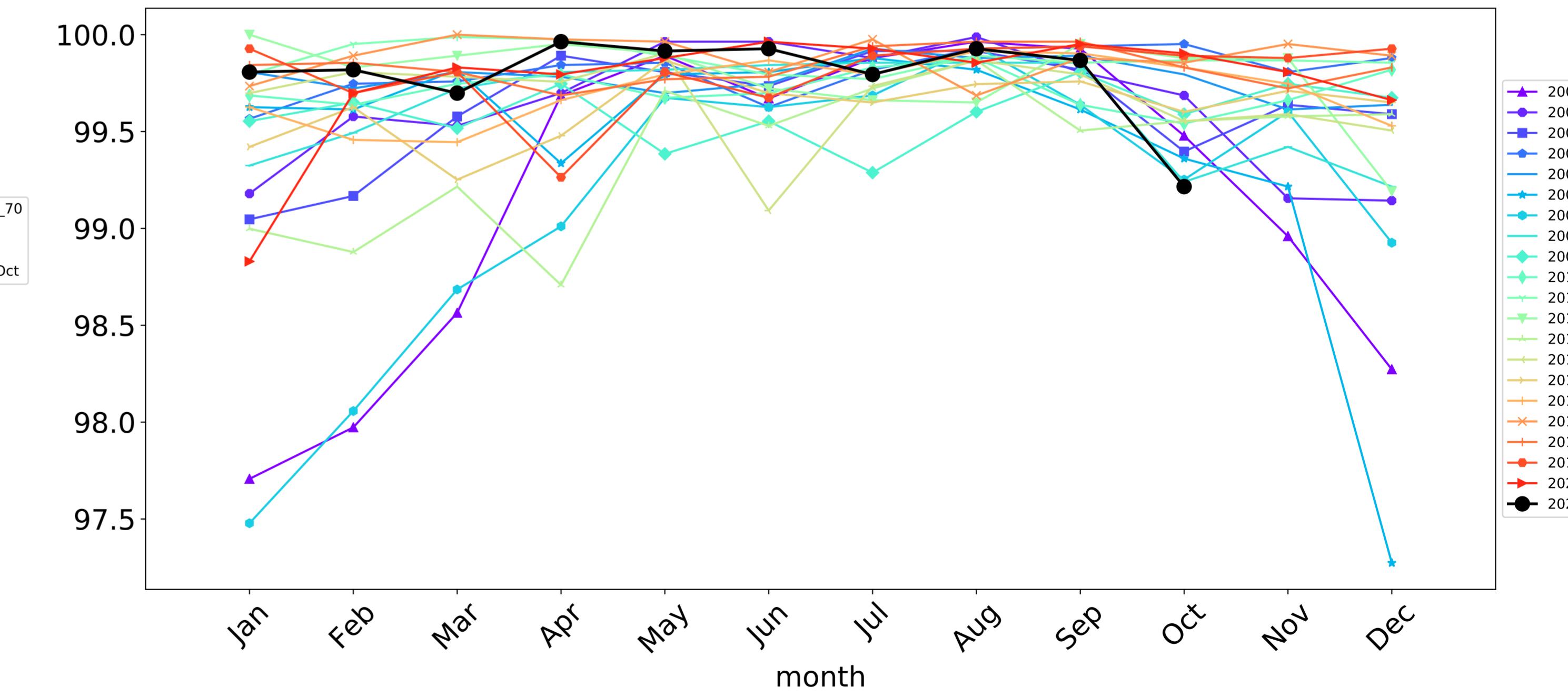
Wind erosion historical monthly area protected (Total Veg Cov >50%)

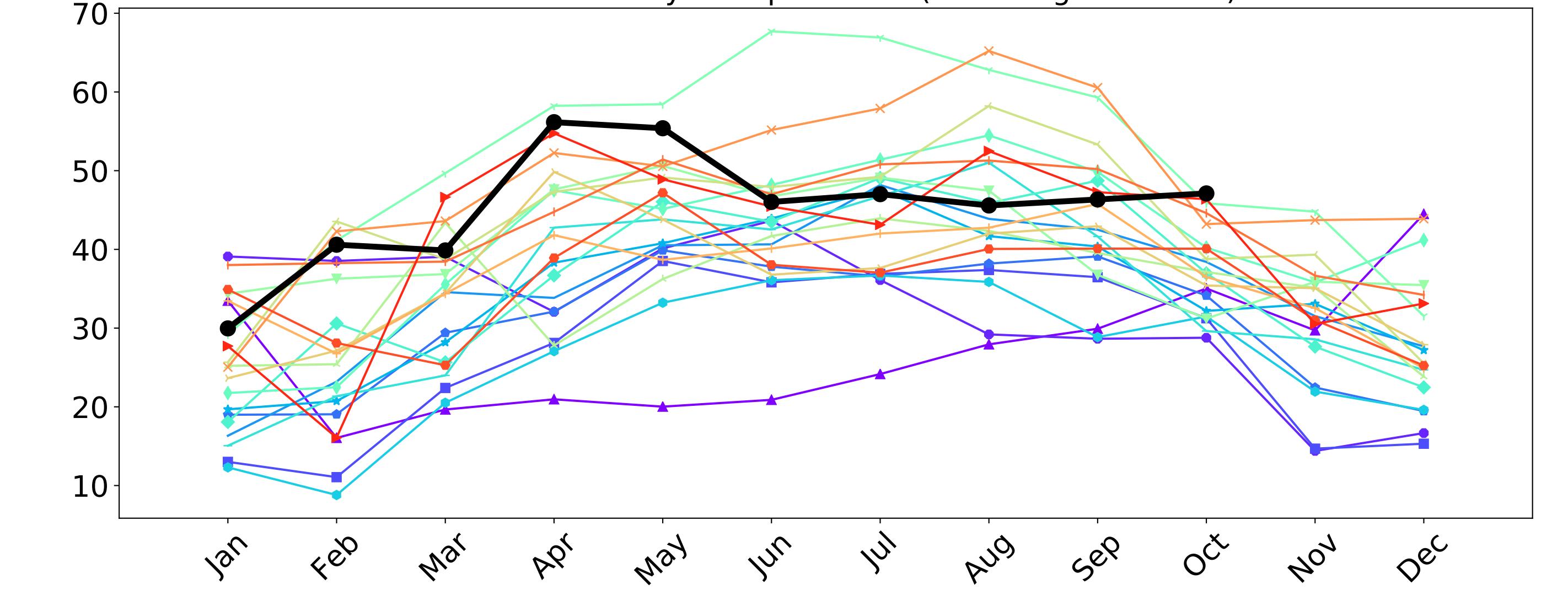
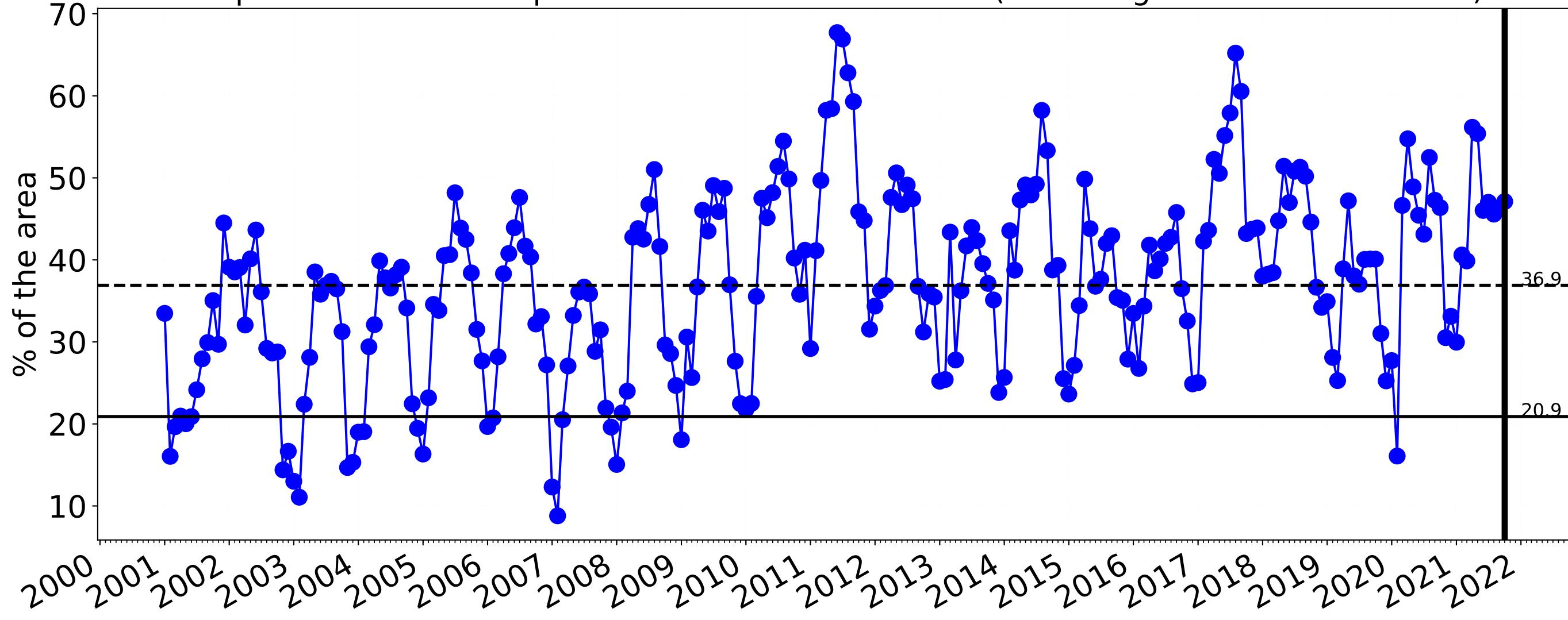
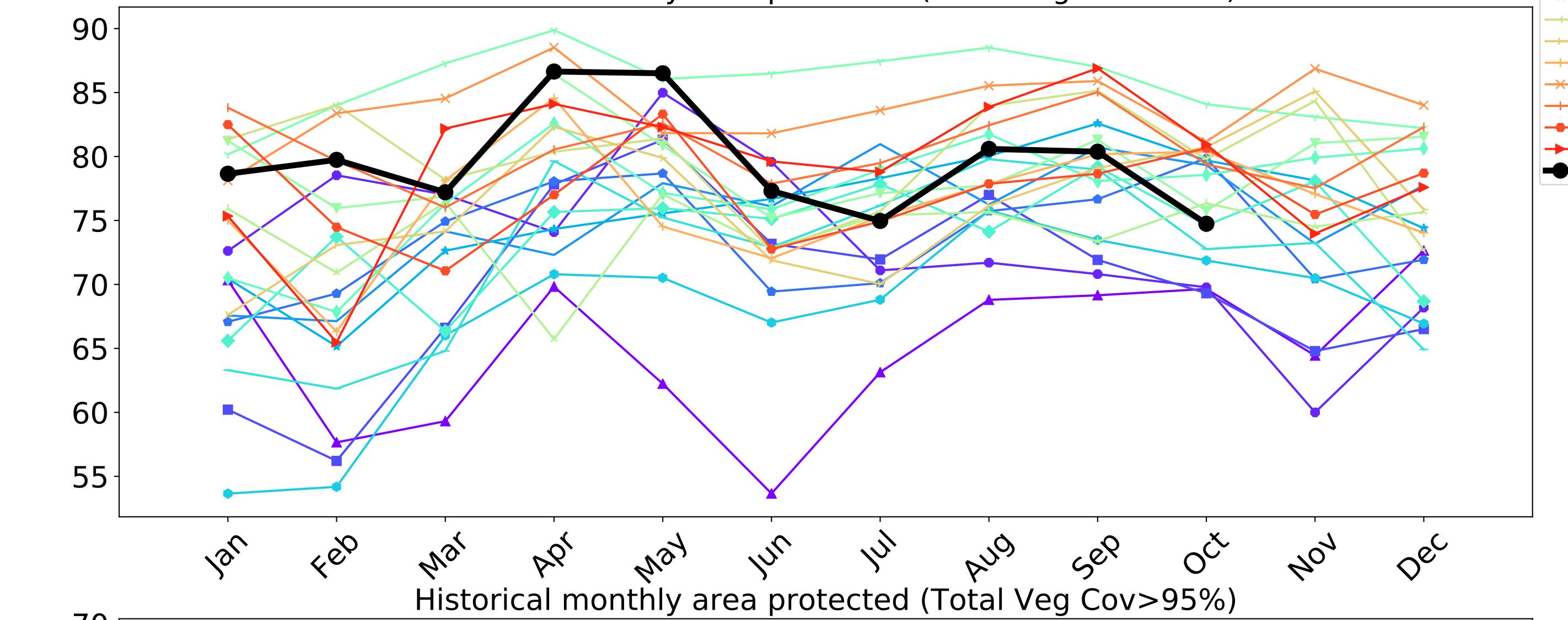
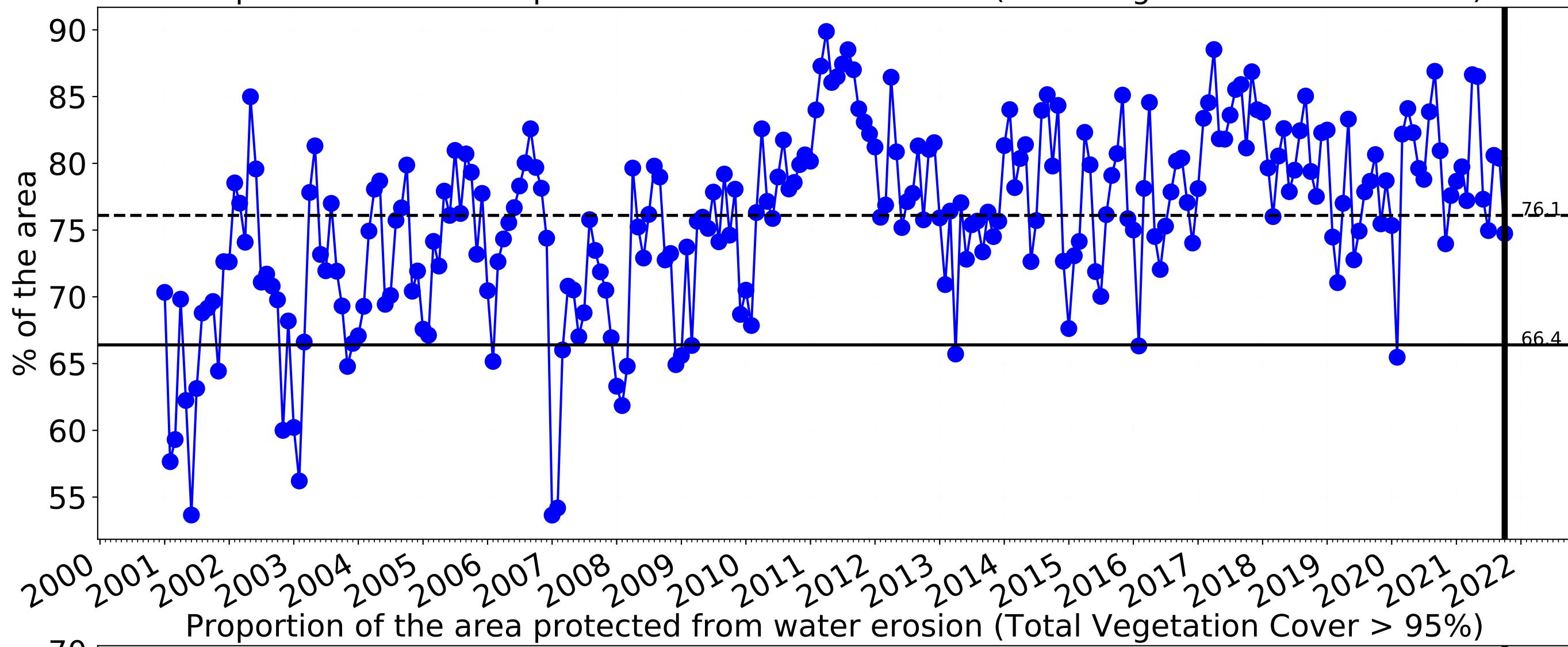
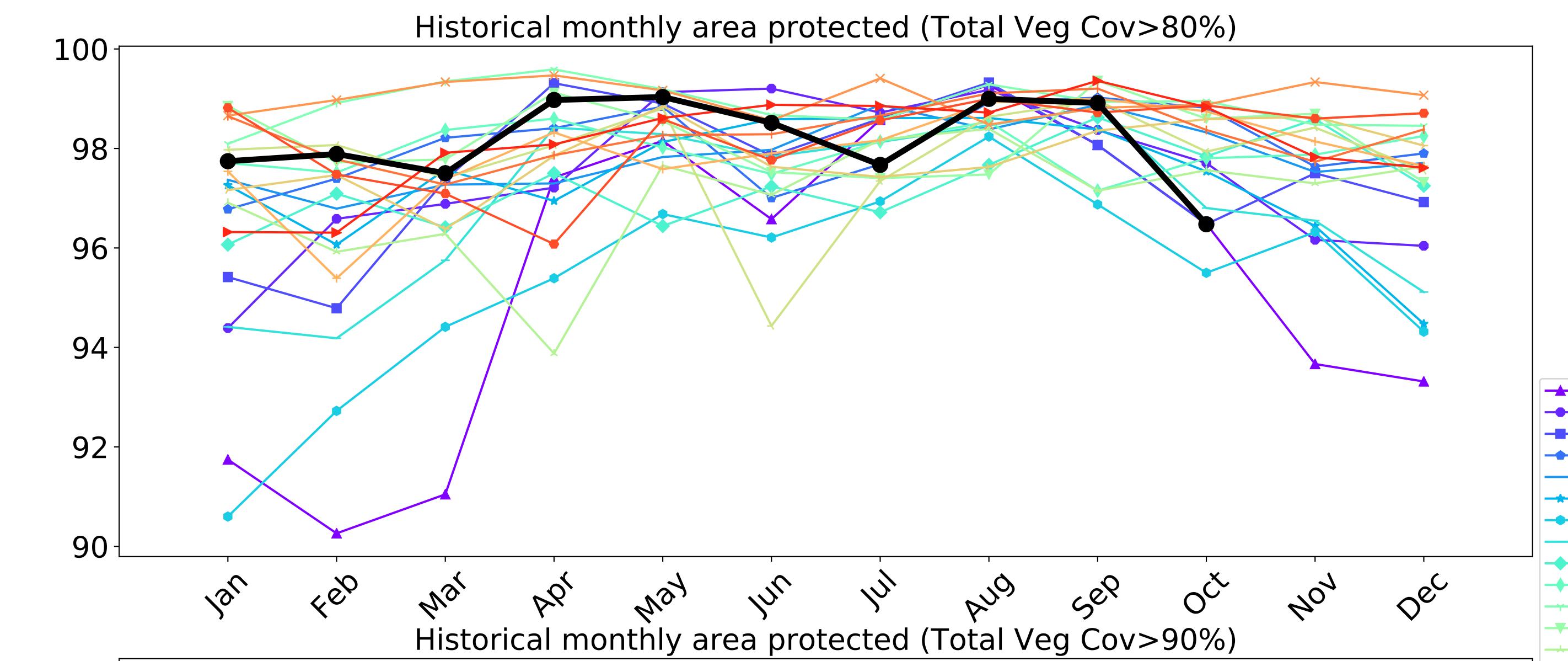
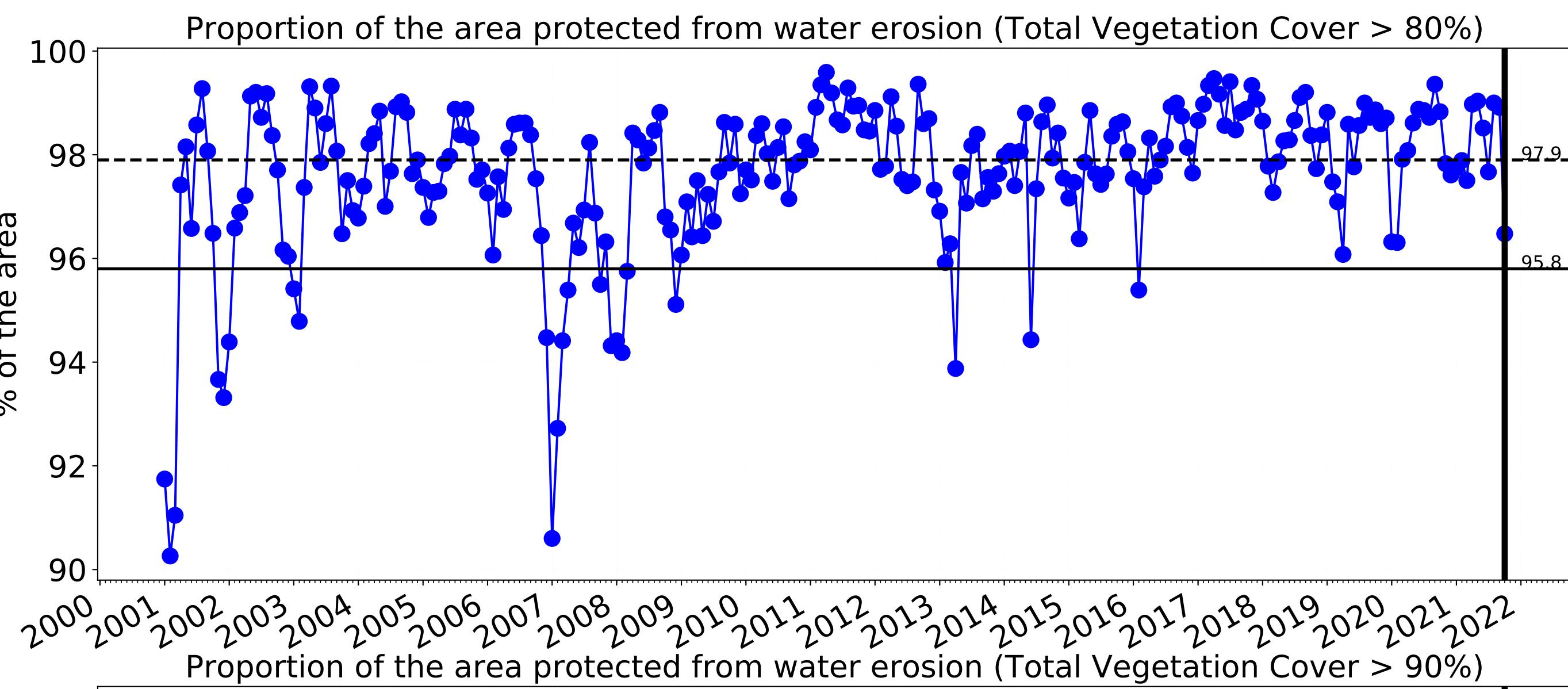


Proportion of the area protected from water erosion (Total Vegetation Cover > 70%)



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





**Glenelg\_(S) (570,025 ha and no data 52,024 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	570,025	100.0% 569,950	99.9% 569,675	99.3% 565,925	96.8% 551,725	74.4% 424,175	47.6% 271,350
Conservation and natural environments	70,400	99.9% 70,350	99.8% 70,250	98.7% 69,450	96.5% 67,950	82.3% 57,925	58.7% 41,300
Conservation and natural environments non forest	6,375	99.2% 6,325	98.4% 6,275	89.8% 5,725	79.6% 5,075	51.4% 3,275	31.4% 2,000
Conservation and natural environments Woodland forest	35,075	100.0% 35,075	99.9% 35,050	99.5% 34,900	97.7% 34,275	81.8% 28,675	52.2% 18,300
Conservation and natural environments Forest (non woodland)	28,950	100.0% 28,950	99.9% 28,925	99.6% 28,825	98.8% 28,600	89.7% 25,975	72.5% 21,000
Agriculture	275,975	100.0% 275,975	100.0% 275,950	99.8% 275,325	97.7% 269,600	73.9% 204,075	46.7% 128,975
Grazing	270,625	100.0% 270,625	100.0% 270,600	99.8% 270,025	97.7% 264,375	73.9% 200,100	46.8% 126,675
Grazing non forest	257,750	100.0% 257,750	100.0% 257,725	99.8% 257,250	97.7% 251,950	74.0% 190,850	47.1% 121,350
Grazing - Forest (non woodland)	7,350	100.0% 7,350	100.0% 7,350	98.6% 7,250	96.6% 7,100	71.1% 5,225	41.8% 3,075
Production native forests and plantation forests	207,175	100.0% 207,150	99.9% 207,050	99.2% 205,550	96.5% 199,875	74.7% 154,850	47.1% 97,600



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