

Figure 25. Mean bison densities (number per km<sup>2</sup> \* 10) over a 30 year period with A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively. Note difference in scales. The scale was varied in proportion to bison numbers in the central herd.

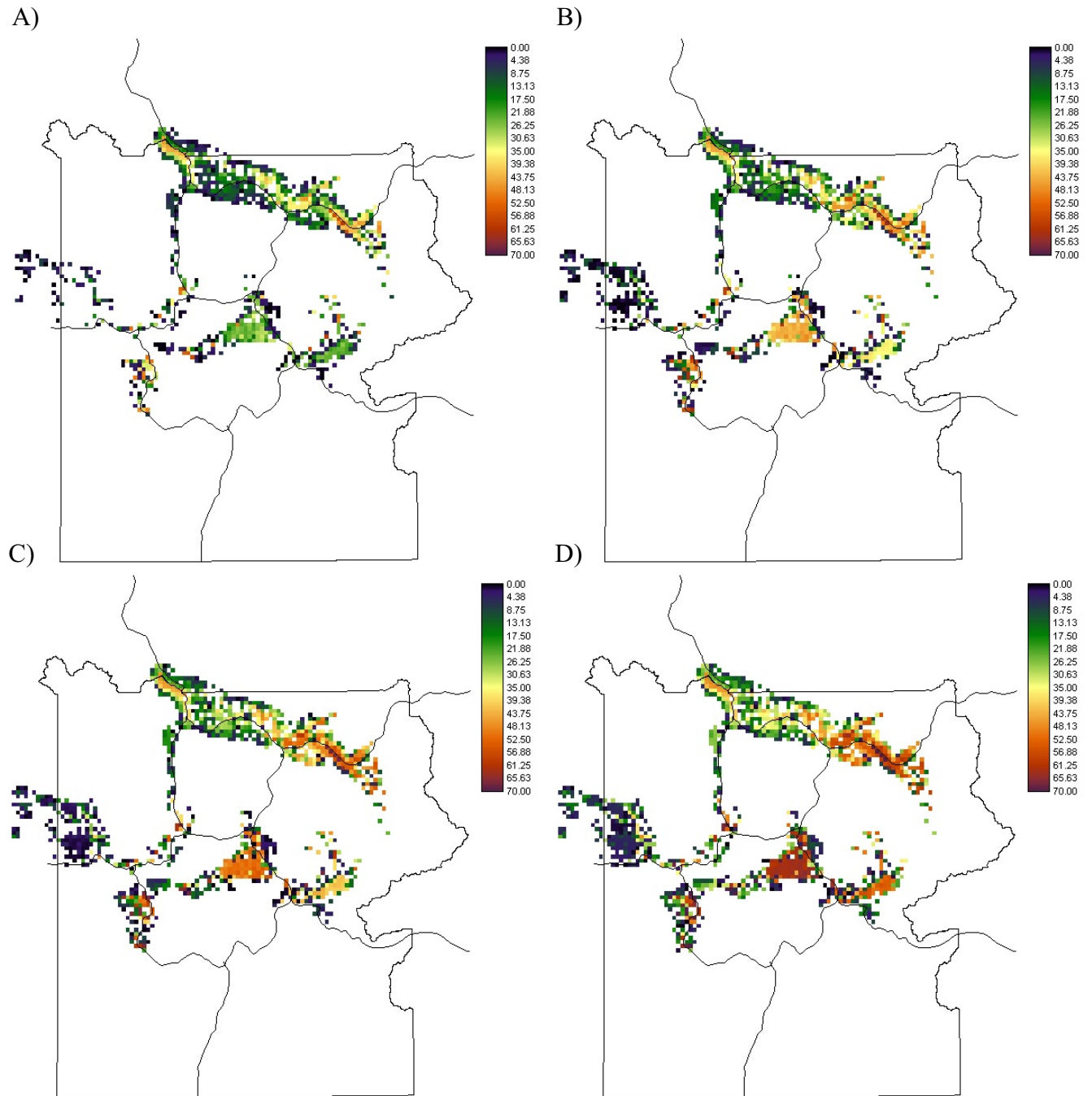


Figure 26. Mean annual percent offtake of graminoids by bison and elk over a 30 year period with A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15000 elk on the northern range.

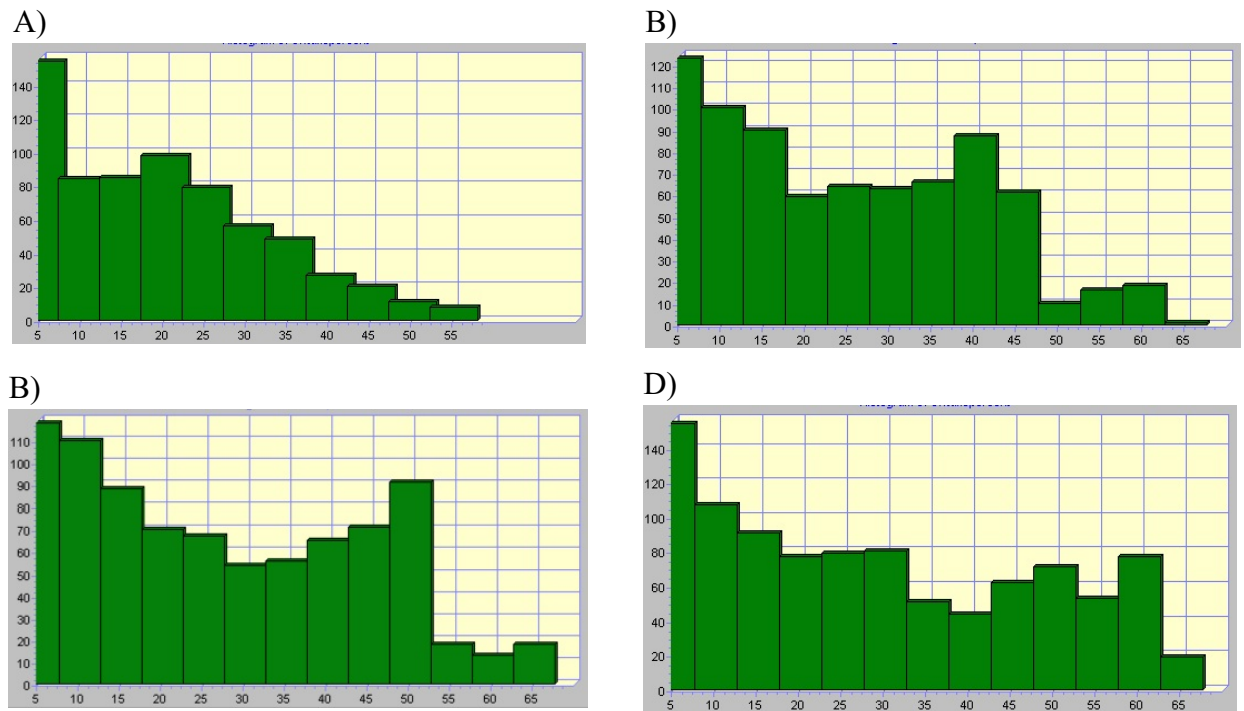


Figure 27. Histograms of mean annual percent offtake of graminoid ANPP by bison and elk over a 30 year period with A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15000 elk on the northern range. Areas with less than 5% offtake are not included. Units are numbers of 1 km<sup>2</sup> grid-cells.

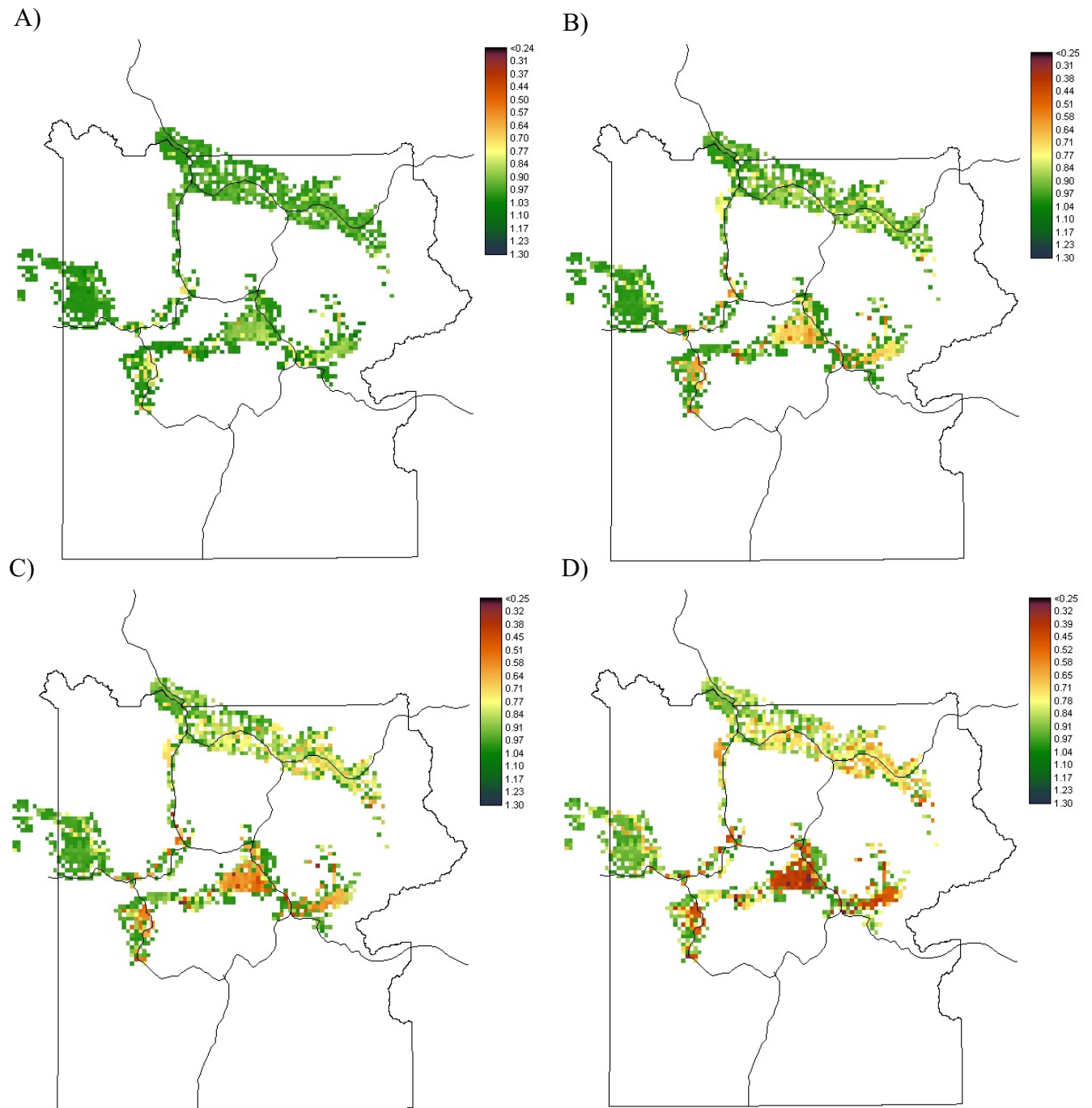


Figure 28. The ratio of mean aboveground biomass of herbaceous vegetation in April in simulations with bison, to that in a simulation with no bison but 15,000 northern elk a 30 year period. With A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15000 elk on the northern range.

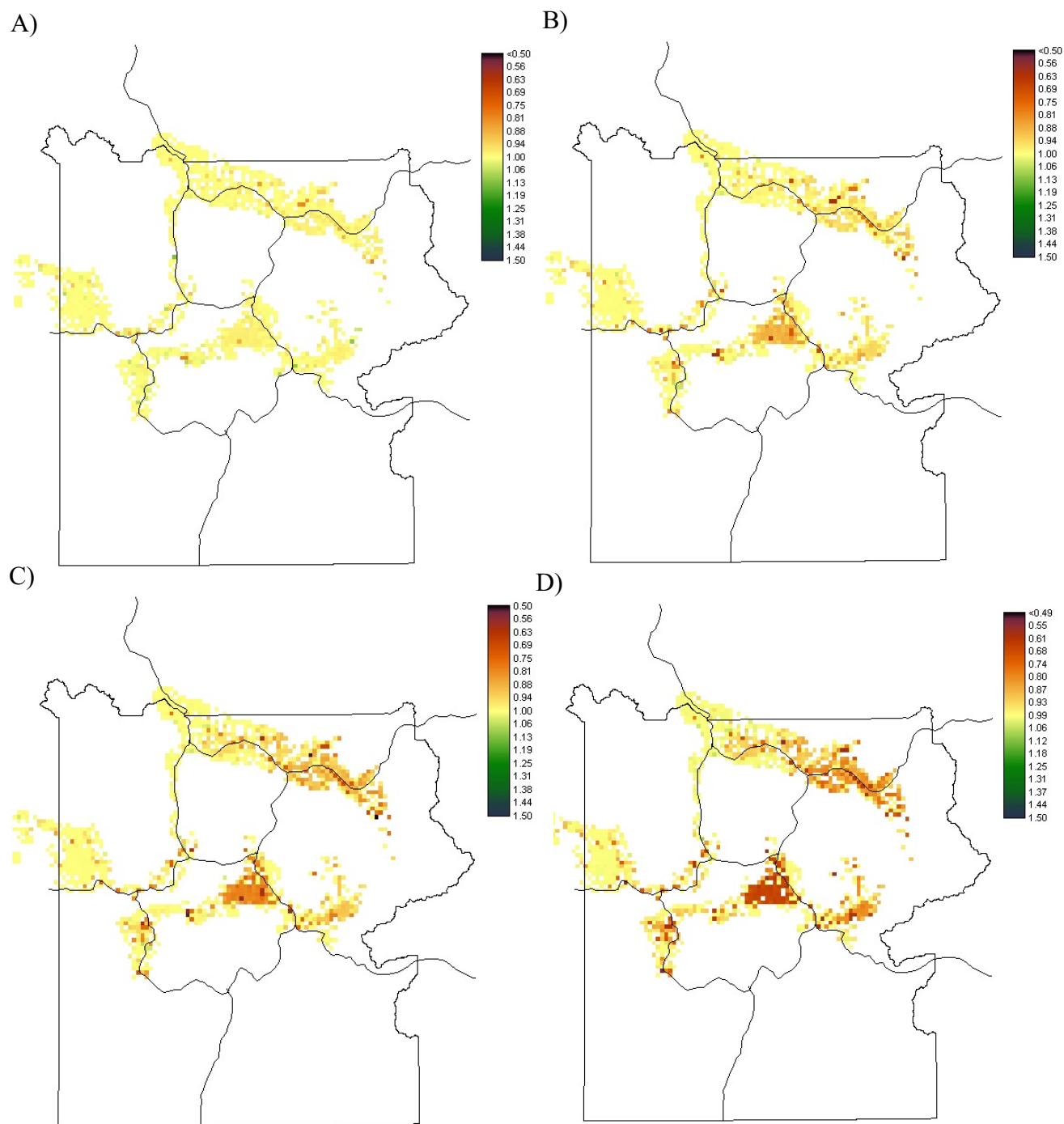


Figure 29. The ratio of mean aboveground biomass of herbaceous vegetation in October in simulations with bison, to that in a simulation with no bison over a 30 year period. With A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15,000 elk on the northern range.

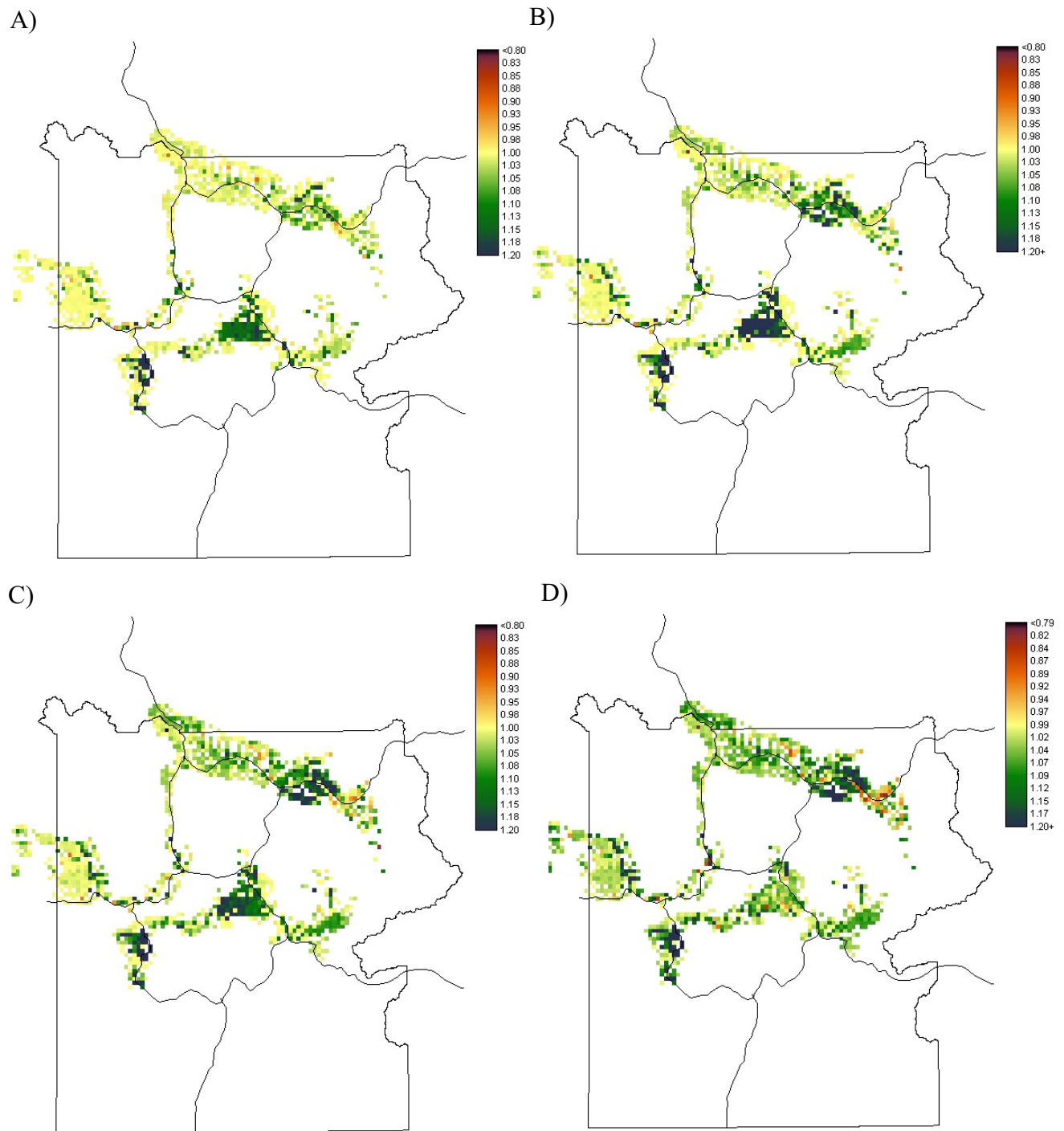


Figure 30. The ratio of mean annual aboveground primary production of graminoids in a simulation with bison, to that in a simulation with no bison but 15,000 northern elk over a 30 year period. With A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15000 elk on the northern range.



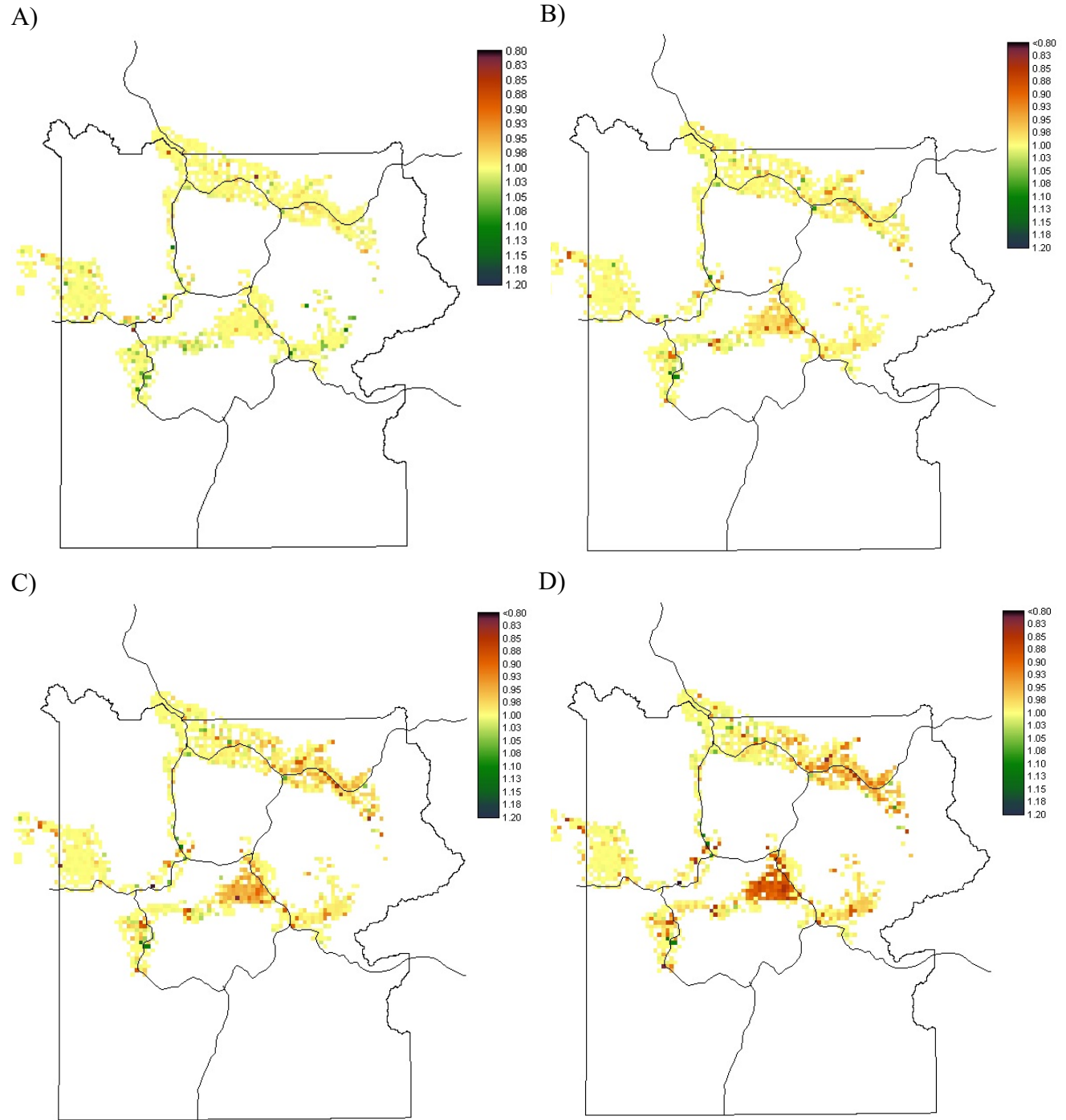


Figure 31. The ratio of mean live root biomass of herbaceous vegetation in August in simulations with bison, to that in a simulation with no bison but 15,000 northern elk over a 30 year period. With A) 1000 and 2000, B) 2000, 4000, C) 3000 and 5000, and D) 4000, 7000 bison in the northern and central herds respectively, and 15000 elk on the northern range.