APPENDIX 3
AIR

Figure 3.2.3-1: Background Concentrations in the State of Montana

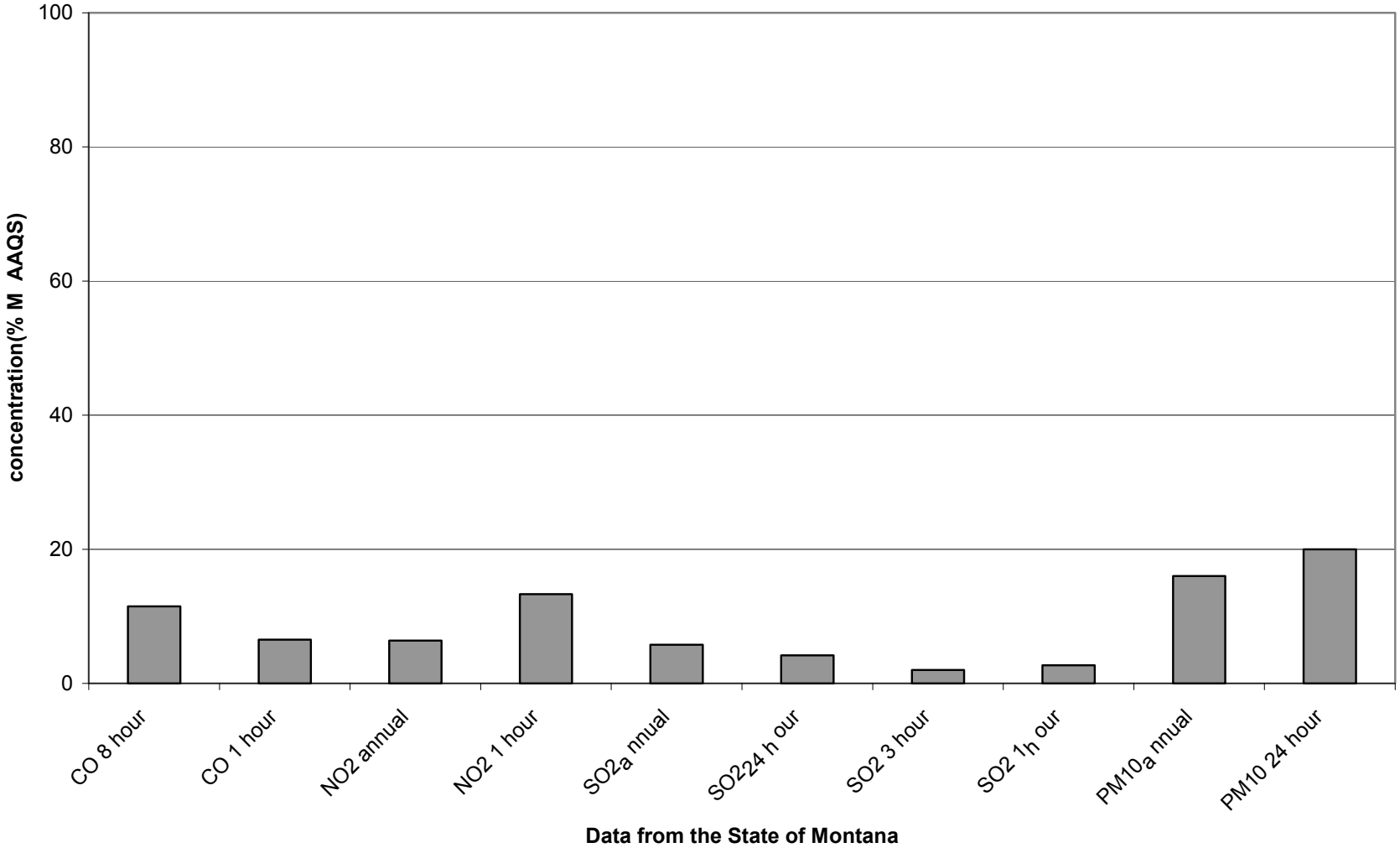


Figure 3.2.3-2: One hour Nitrogen Dioxide Concentration - Northern Cheyenne Reservation

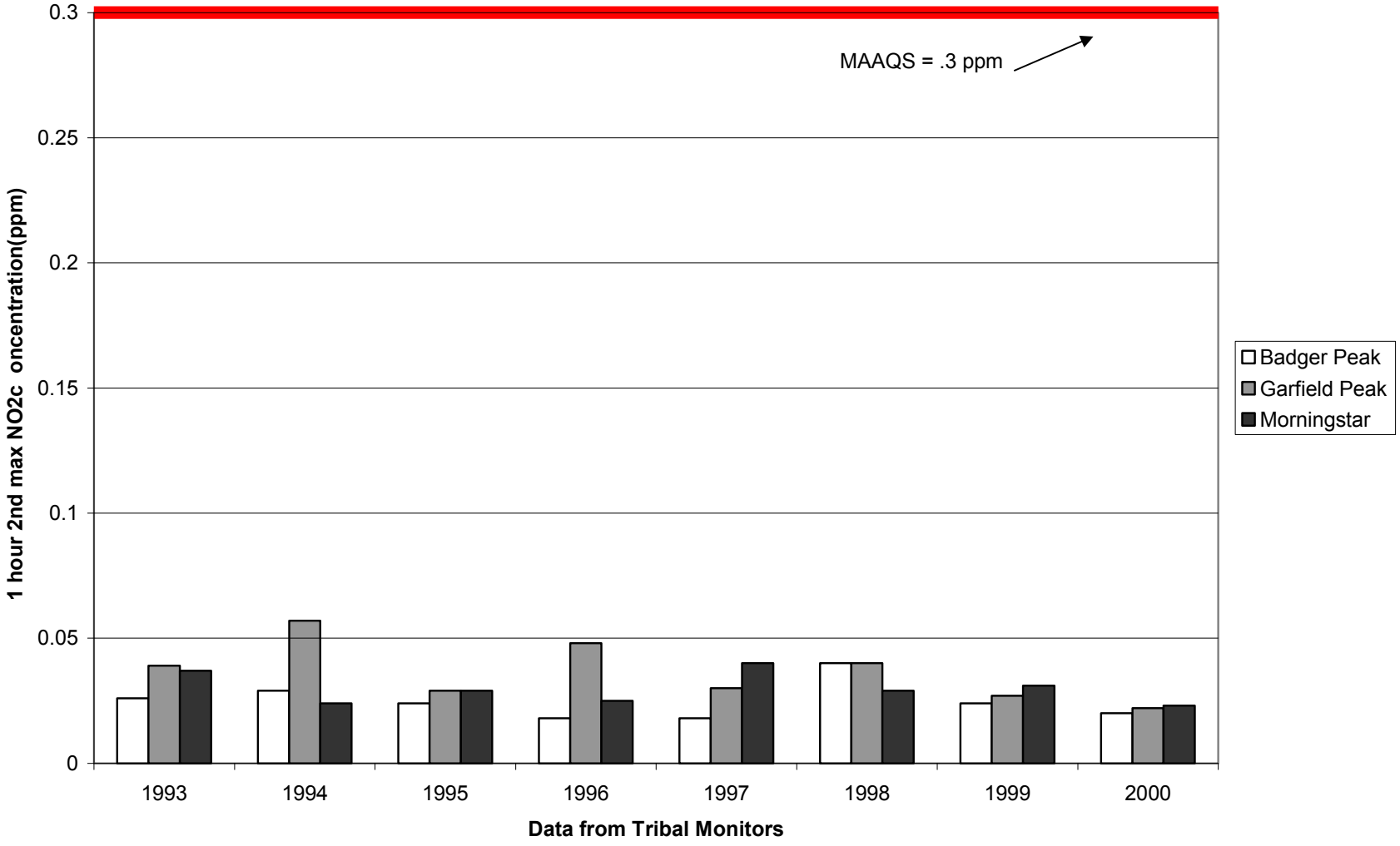


Figure 3.2.3-3: Mean Annual Nitrogen Dioxide Concentration - Northern Cheyenne Reservation

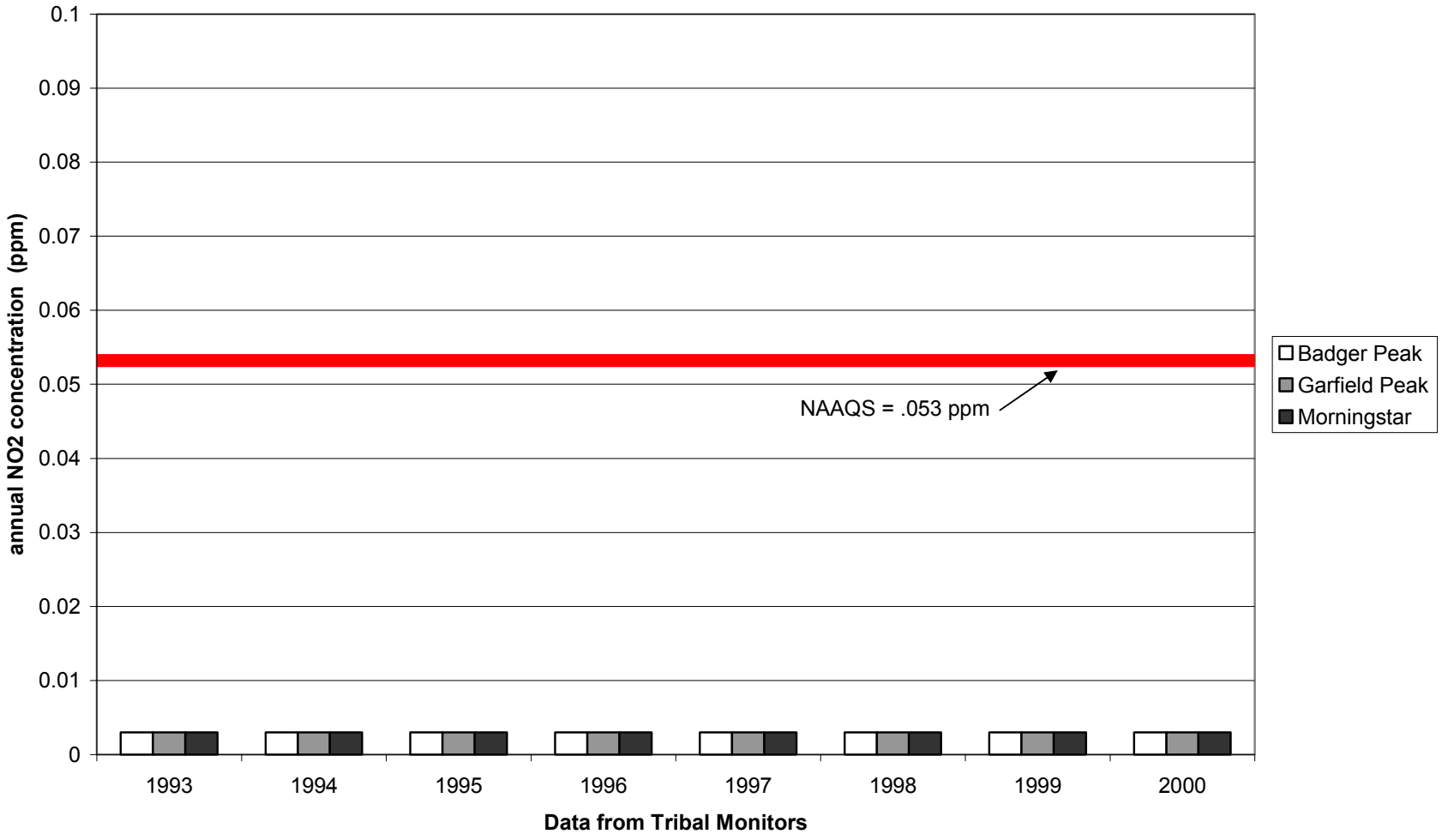
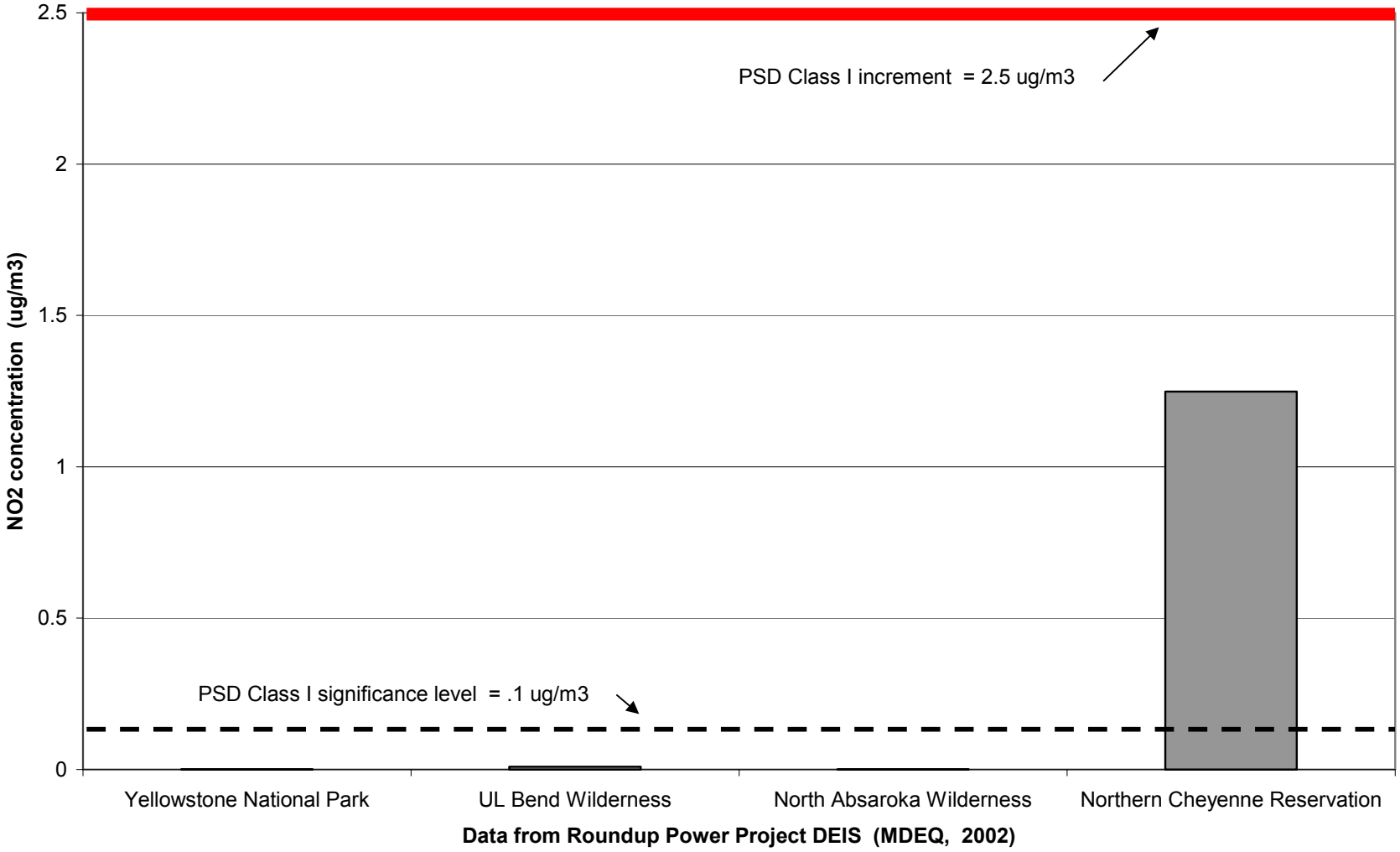


Figure 3.2.3- 4: Potential Cumulative Nitrogen Dioxide Concentrations



Data from Roundup Power Project DEIS (MDEQ, 2002)

Figure 3.2.3-5: One hour Sulfur Dioxide Concentrations - Northern Cheyenne Reservation

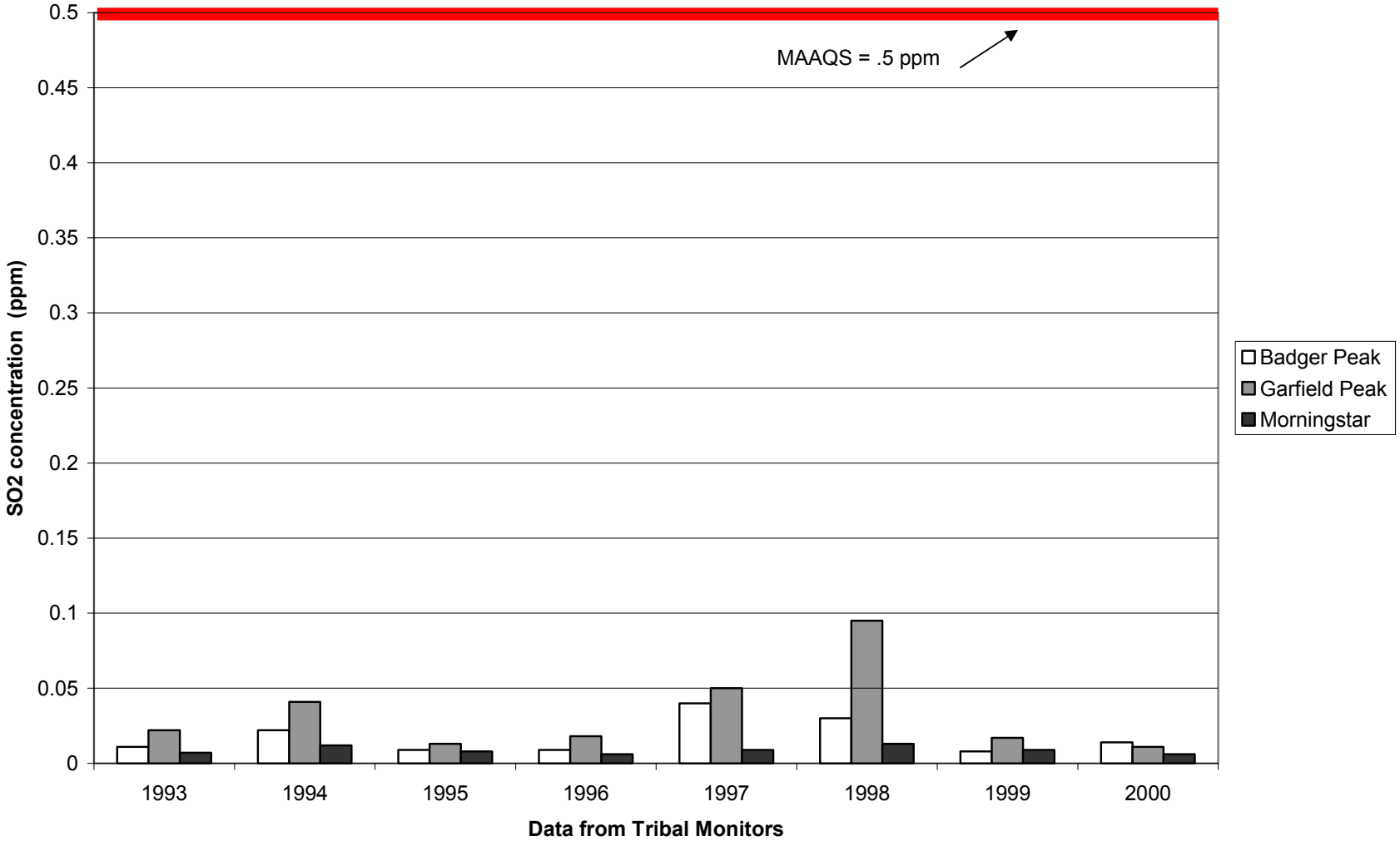


Figure 3.2.3- 6: 3 hour Sulfur Dioxide Concentrations - Northern Cheyenne Reservation

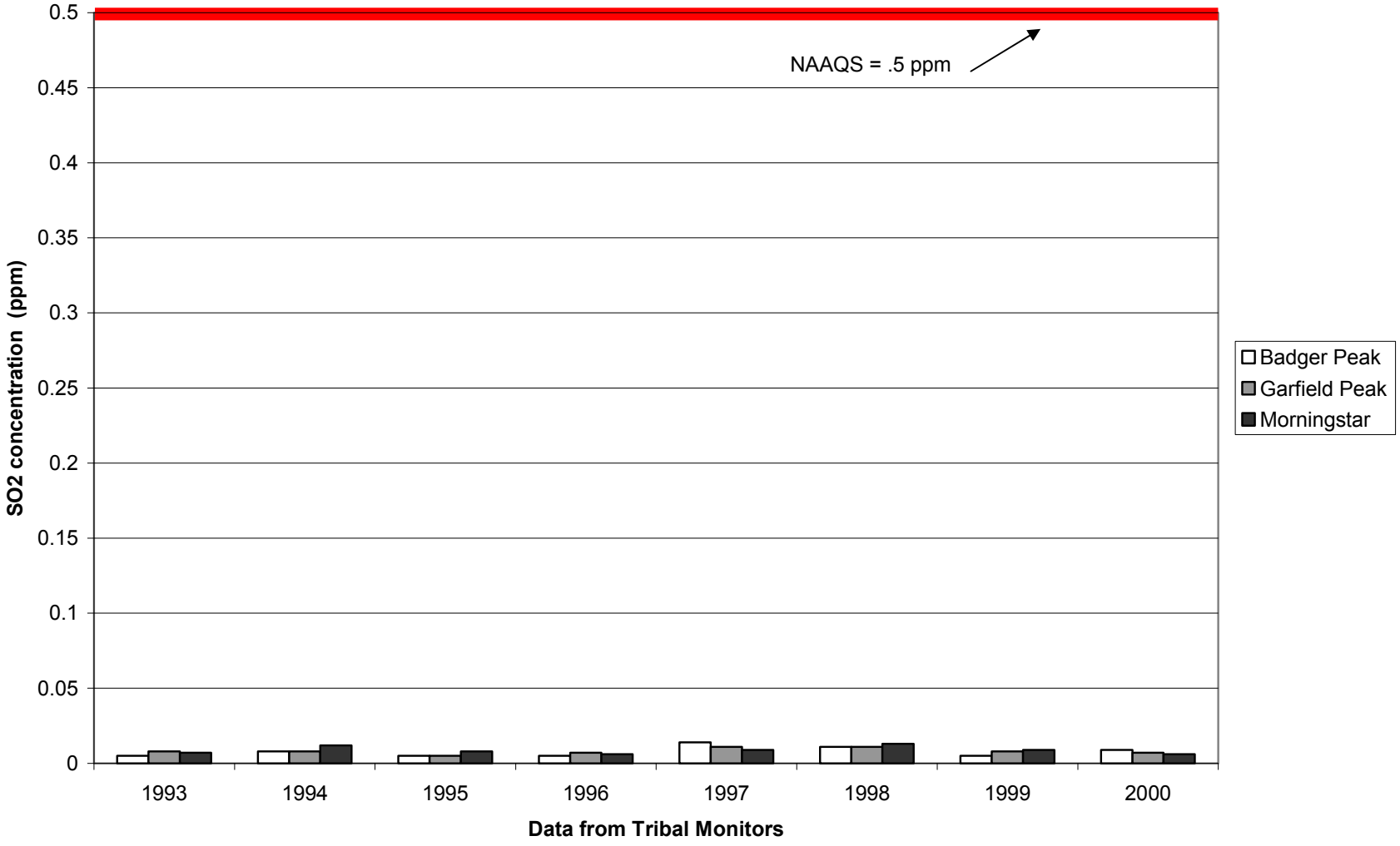


Figure 3.2.3-7: 24 hour Sulfur Dioxide Concentrations - Northern Cheyenne Reservation

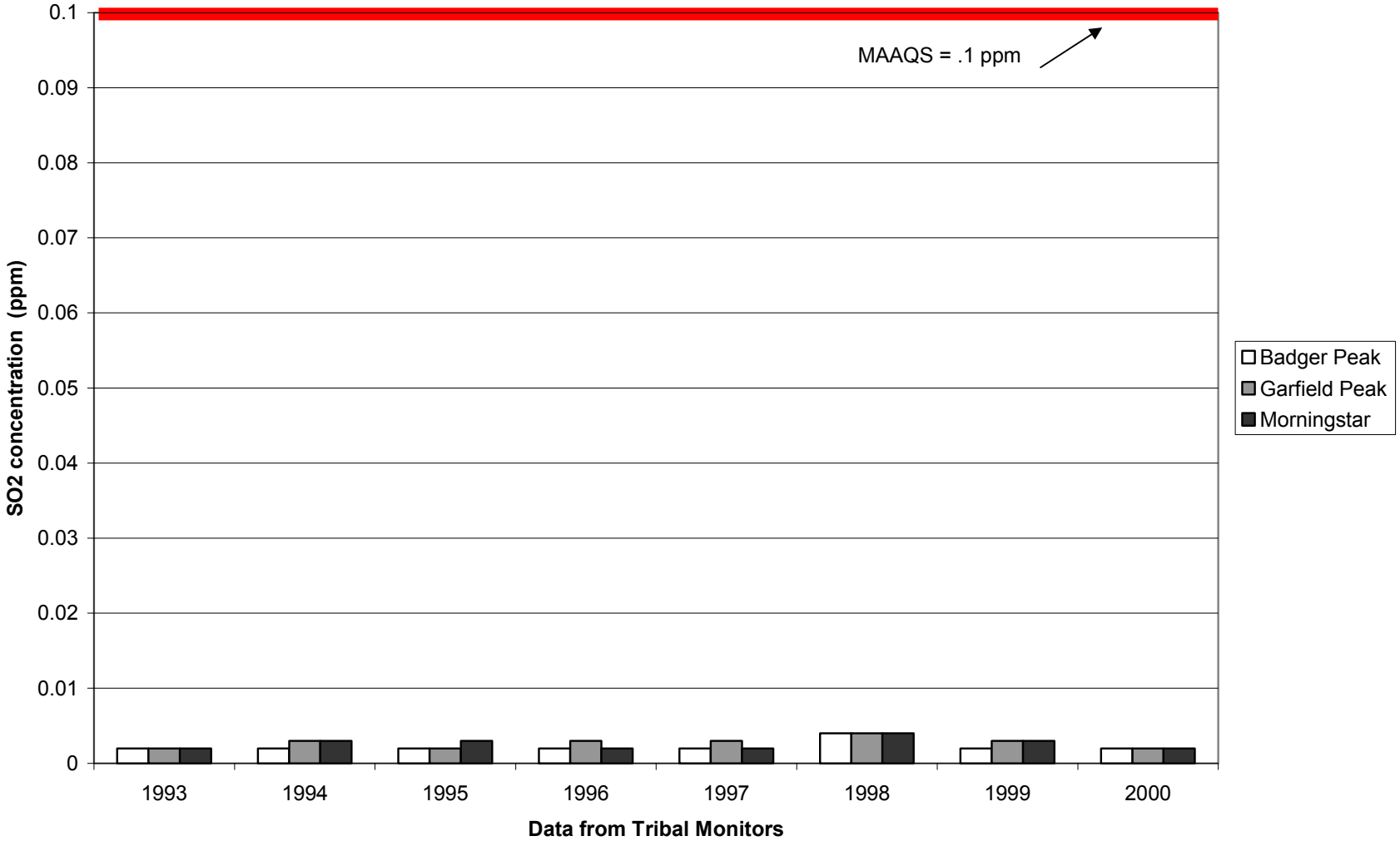


Figure 3.2.3-8: Mean Annual Sulfur Dioxide Concentrations - Northern Cheyenne Reservation

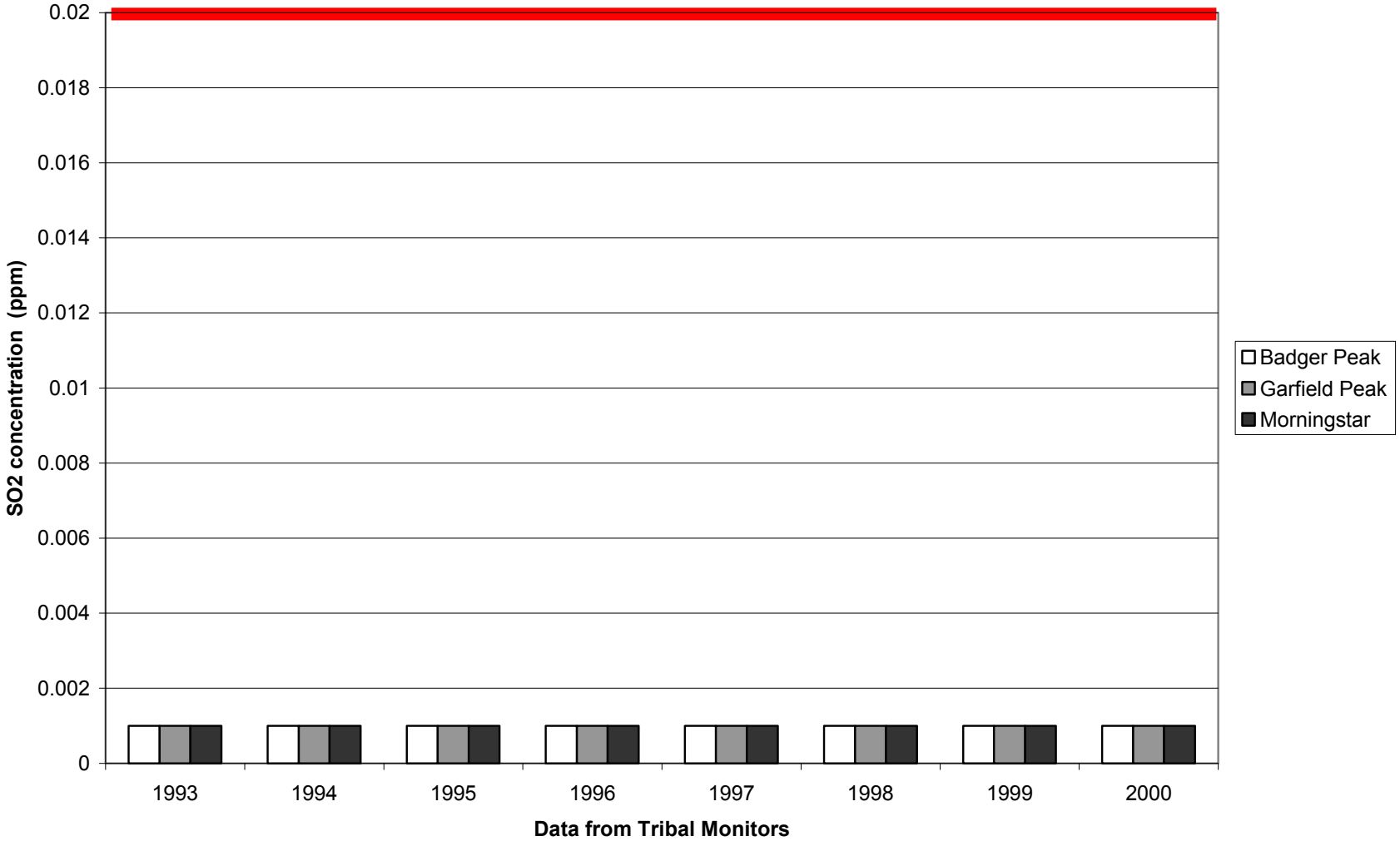
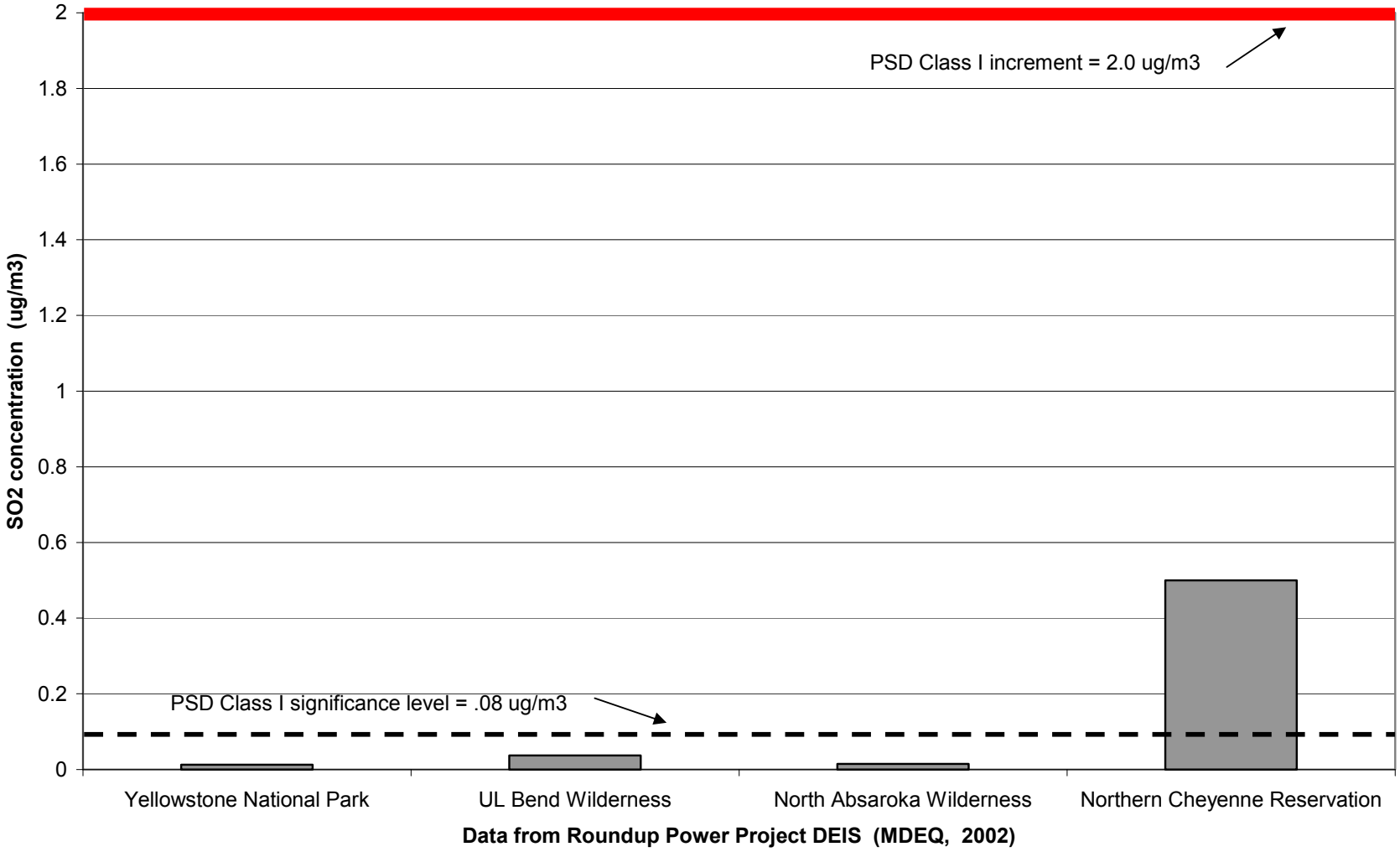
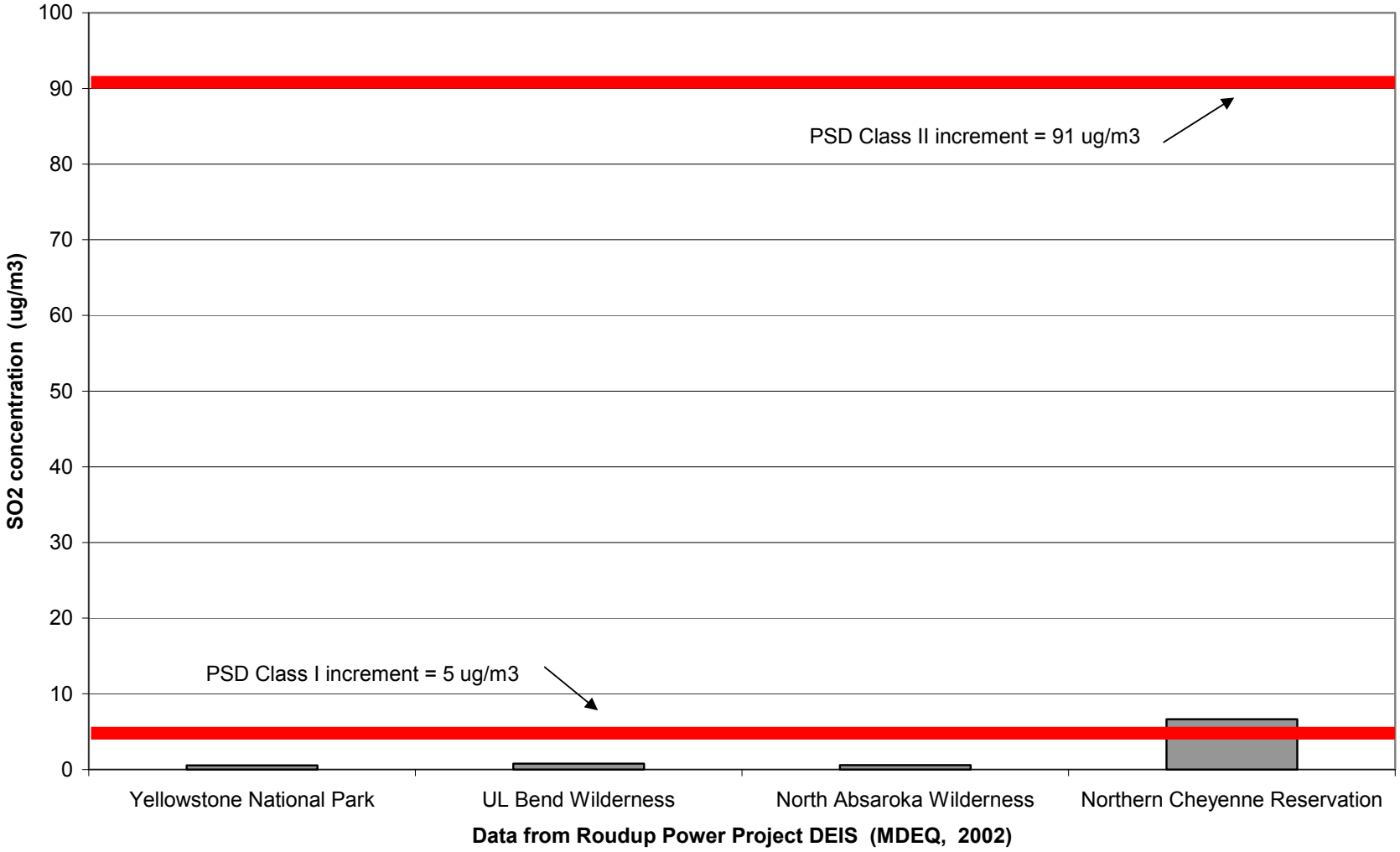


Figure 3.2.3- 9: Potential Cumulative Annual Sulfur Dioxide Concentrations



Data from Roundup Power Project DEIS (MDEQ, 2002)

Figure 3.2.3- 10: Potential Cumulative Sulfur Dioxide 24 hour Concentrations



Data from Roudup Power Project DEIS (MDEQ, 2002)

Figure 3.2.3- 11: Potential Cumulative 3 hour Sulfur Dioxide Concentrations

Figure 3.2.3- 12: 24 hour Particulate Matter Concentrations - Northern Cheyenne Reservation

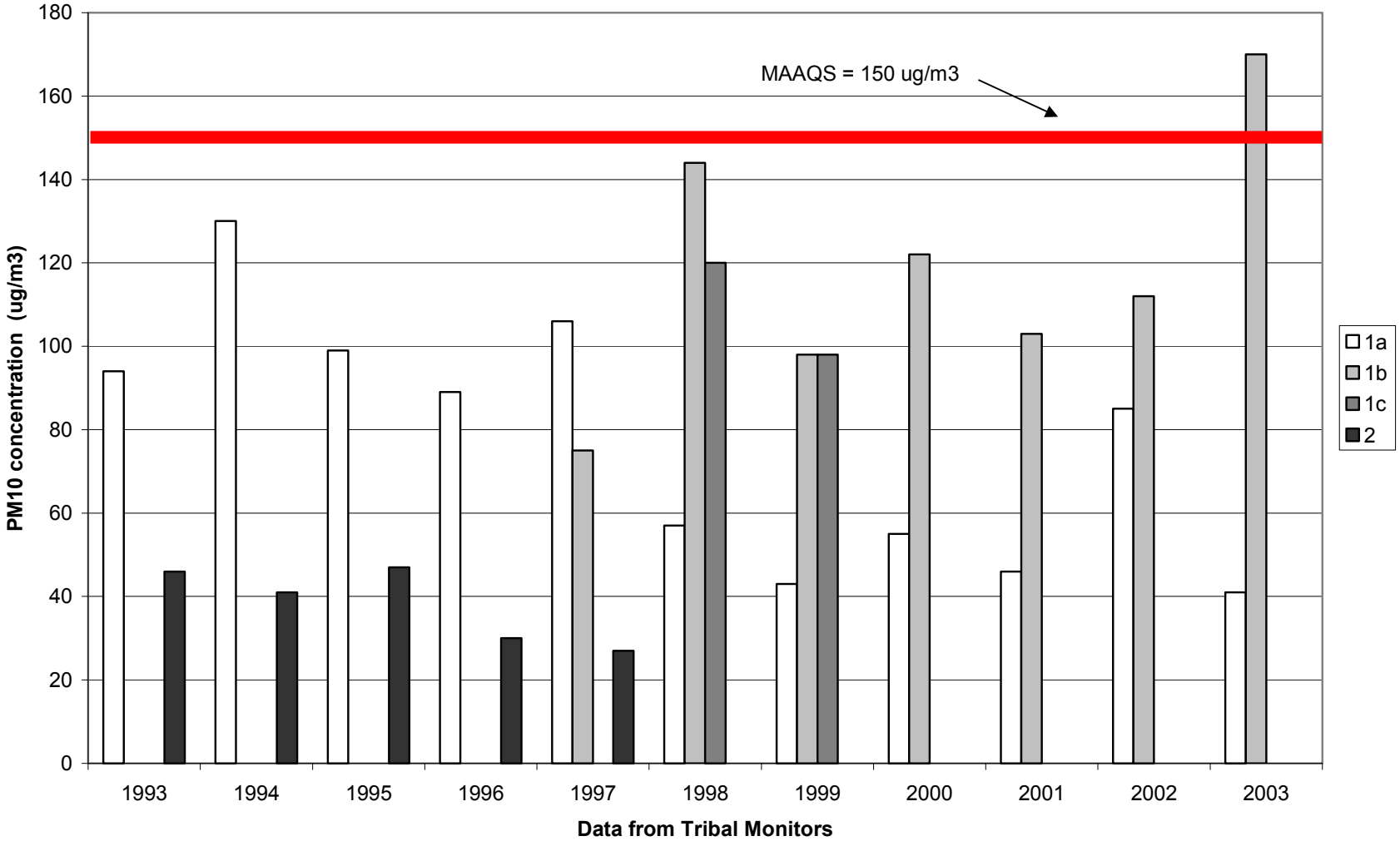


Figure 3.2.3-13: Mean Annual Particulate Matter Concentration - Northern Cheyenne Reservation

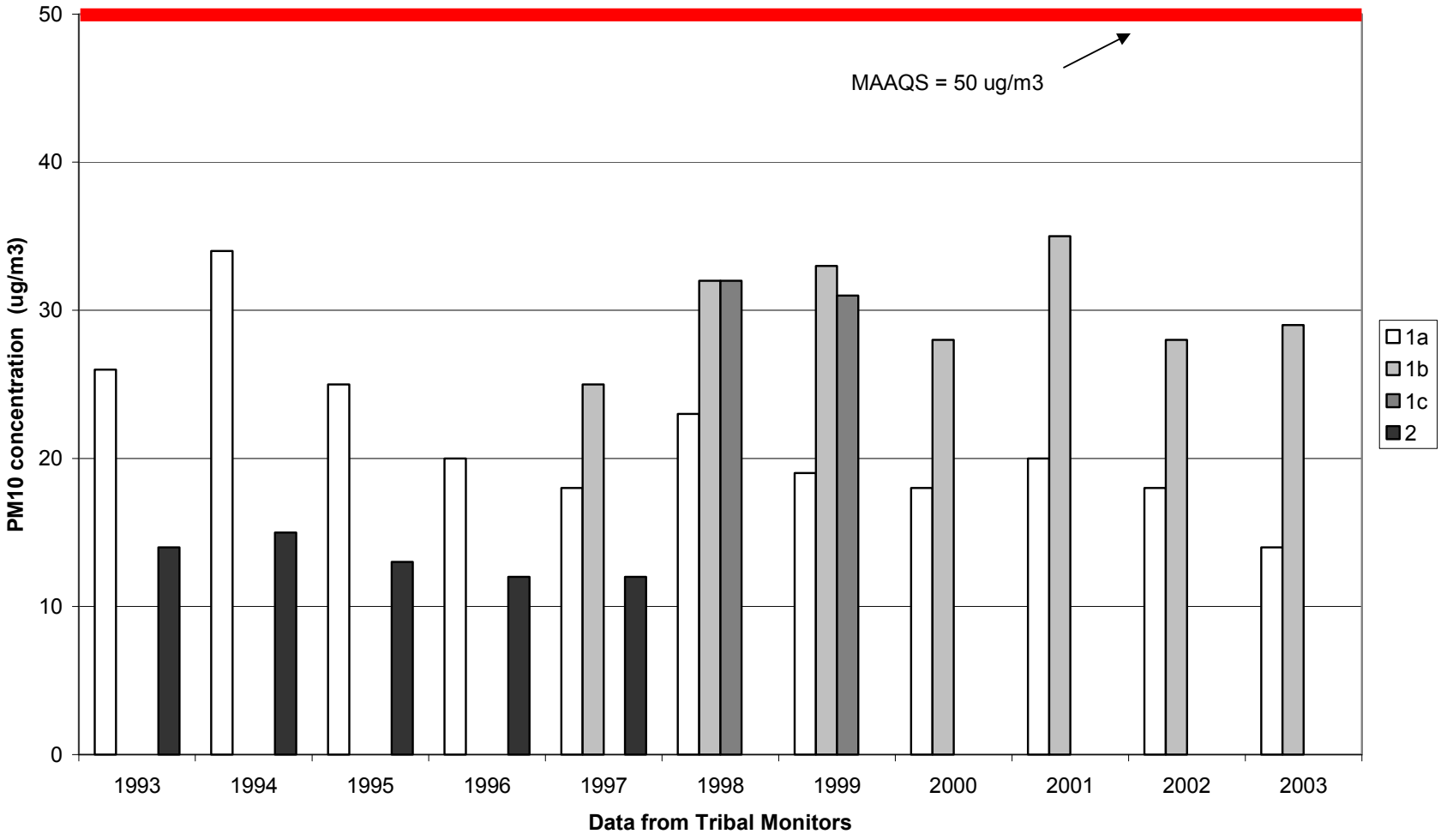


Figure 3.2.4-1: Visibility in Yellowstone National Park

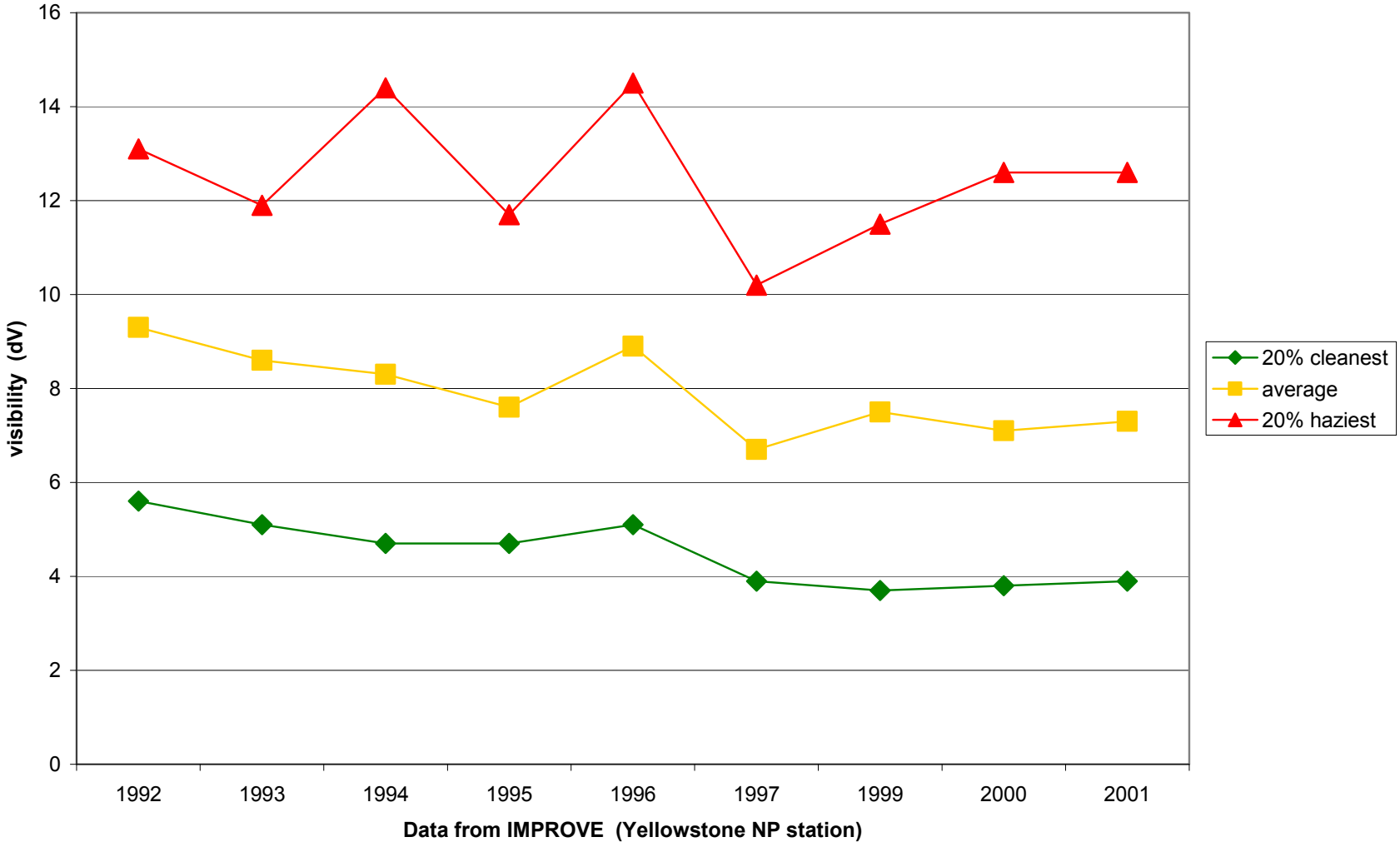


Figure 3.2.4-2: Visibility in Yellowstone National Park

Figure 3.2.4- 3: Visibility in Yellowstone National Park

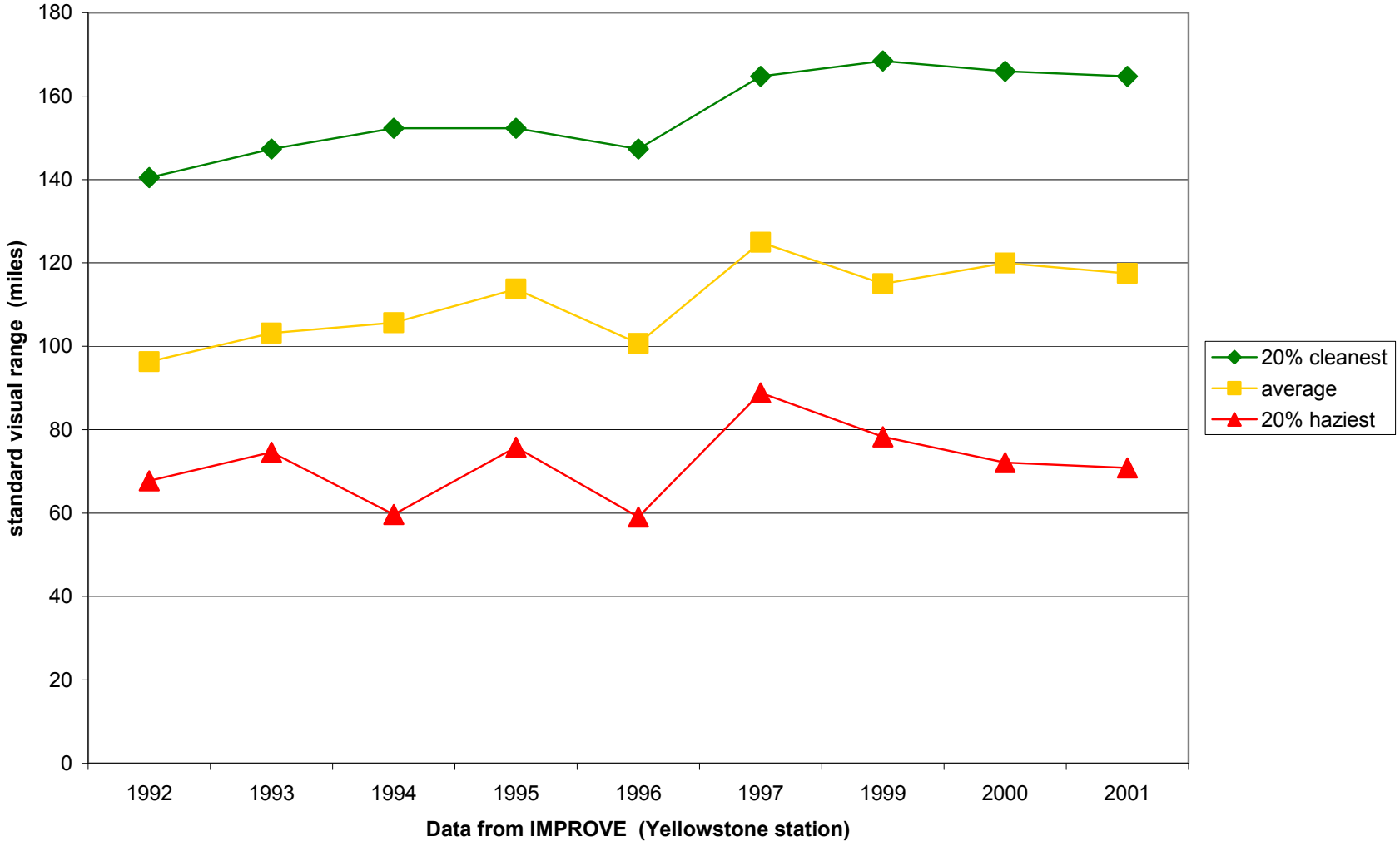


Figure 3.2.5- 1: Precipitation pH near the Northern Cheyenne Reservation

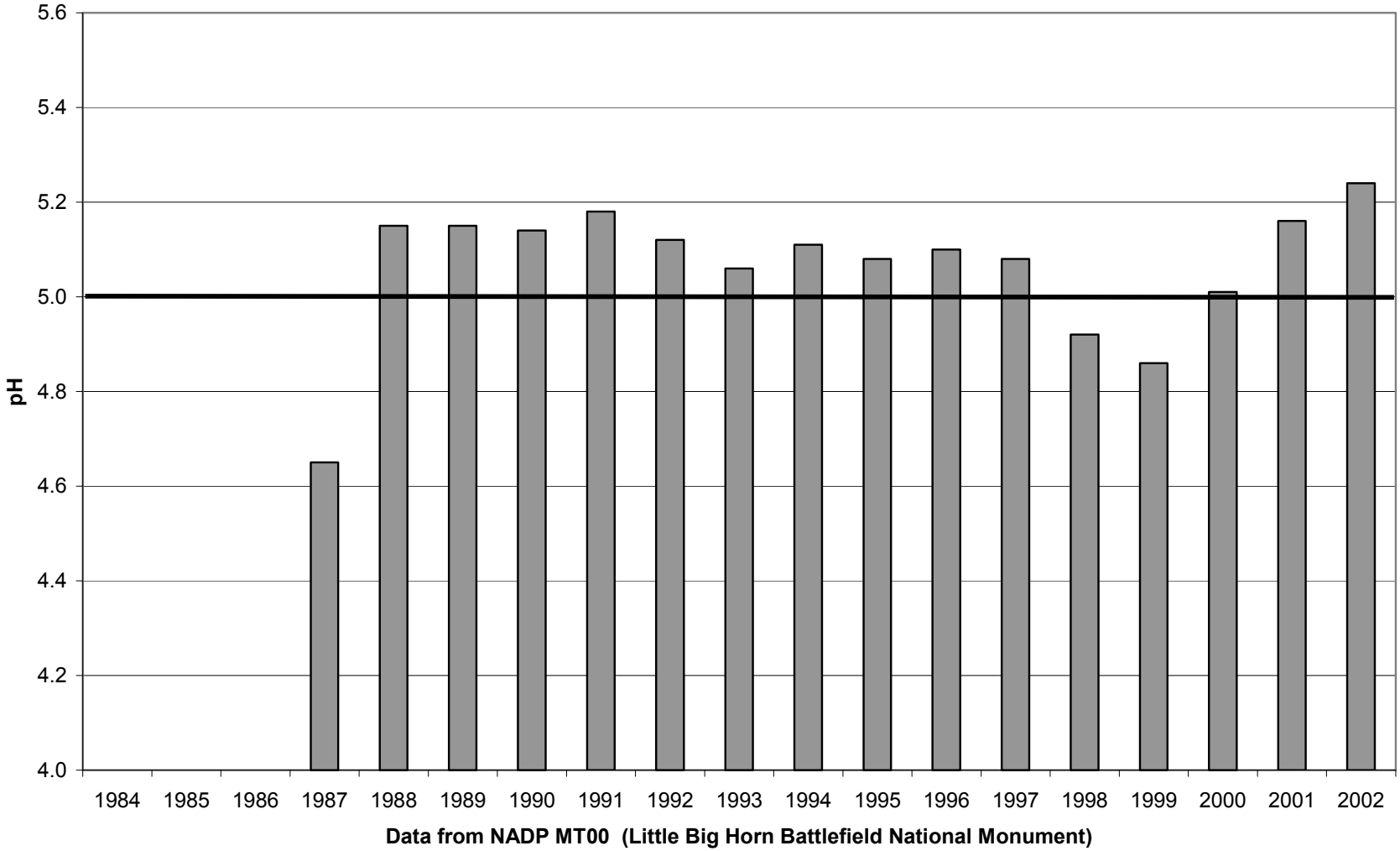


Figure 3.2.5- 2: Sulfate Concentration in Precipitation near the Northern Cheyenne Reservation

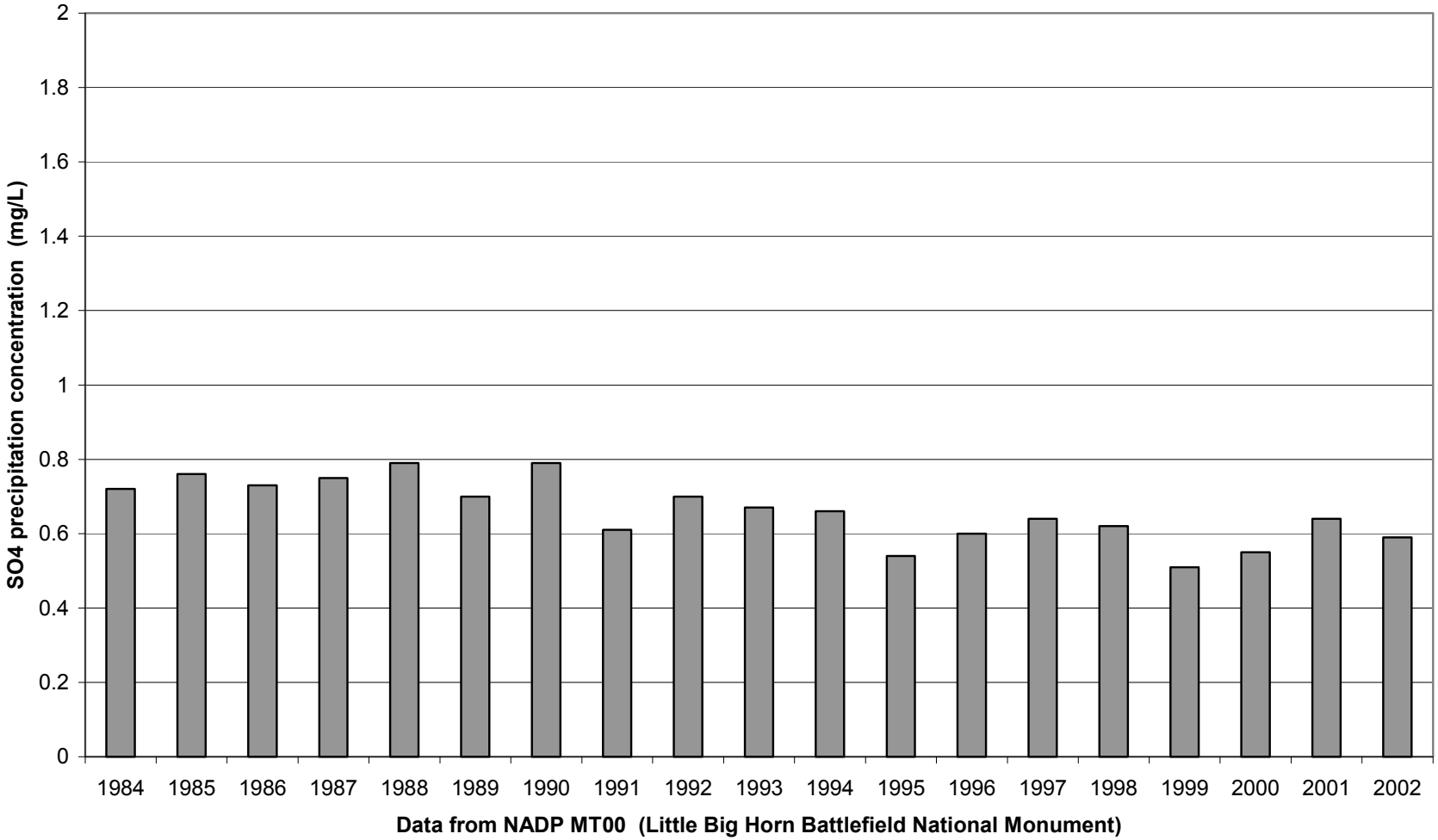


Figure 3.2.5- 3: Wet Sulfate Deposition near the Northern Cheyenne Reservation

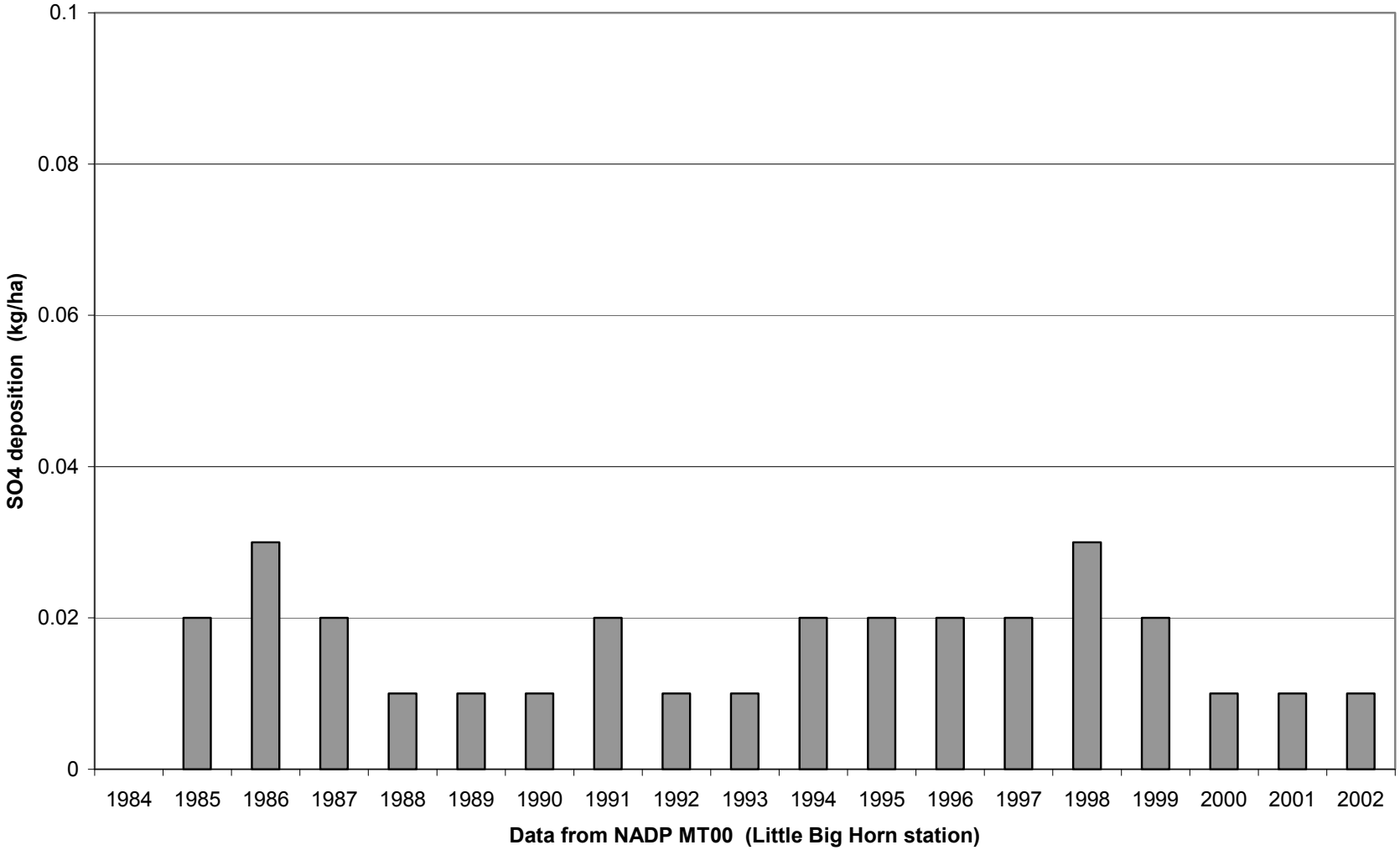
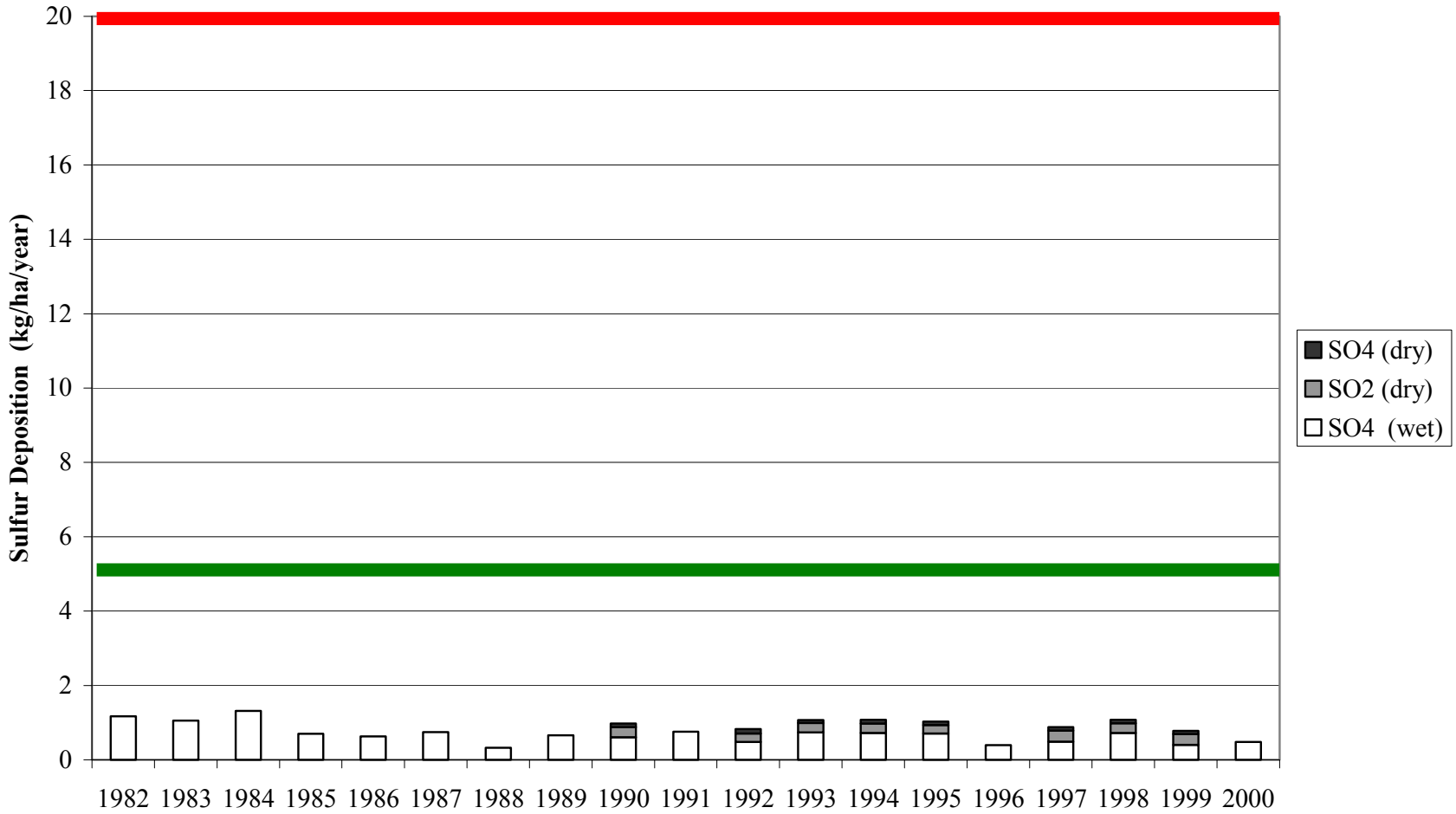


Figure 3.2.5- 4: Total Sulfur Deposition in Yellowstone National Park



Source: NADP Pinedale (wet deposition), CASTNet Pinedale (dry deposition)

Figure 4.3.1-1: Annual Nitrogen Dioxide Total Concentration near Coal Bed Natural Gas Operations in Badger Hill, Montana

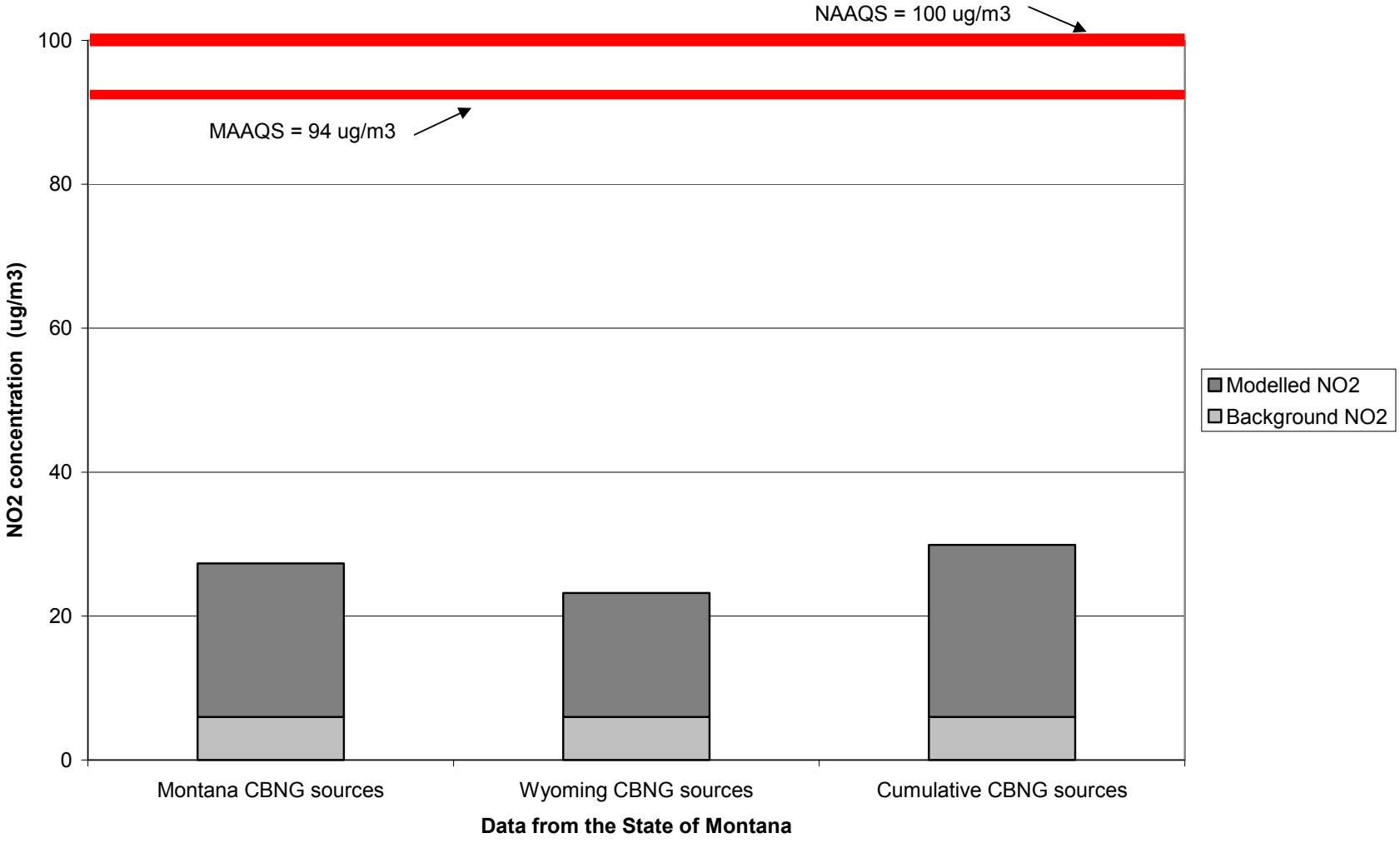


Figure 4.3.1- 2: One hour Nitrogen Dioxide Total Concentration for Coal Bed Natural Gas Sources in Badger Hill, Montana

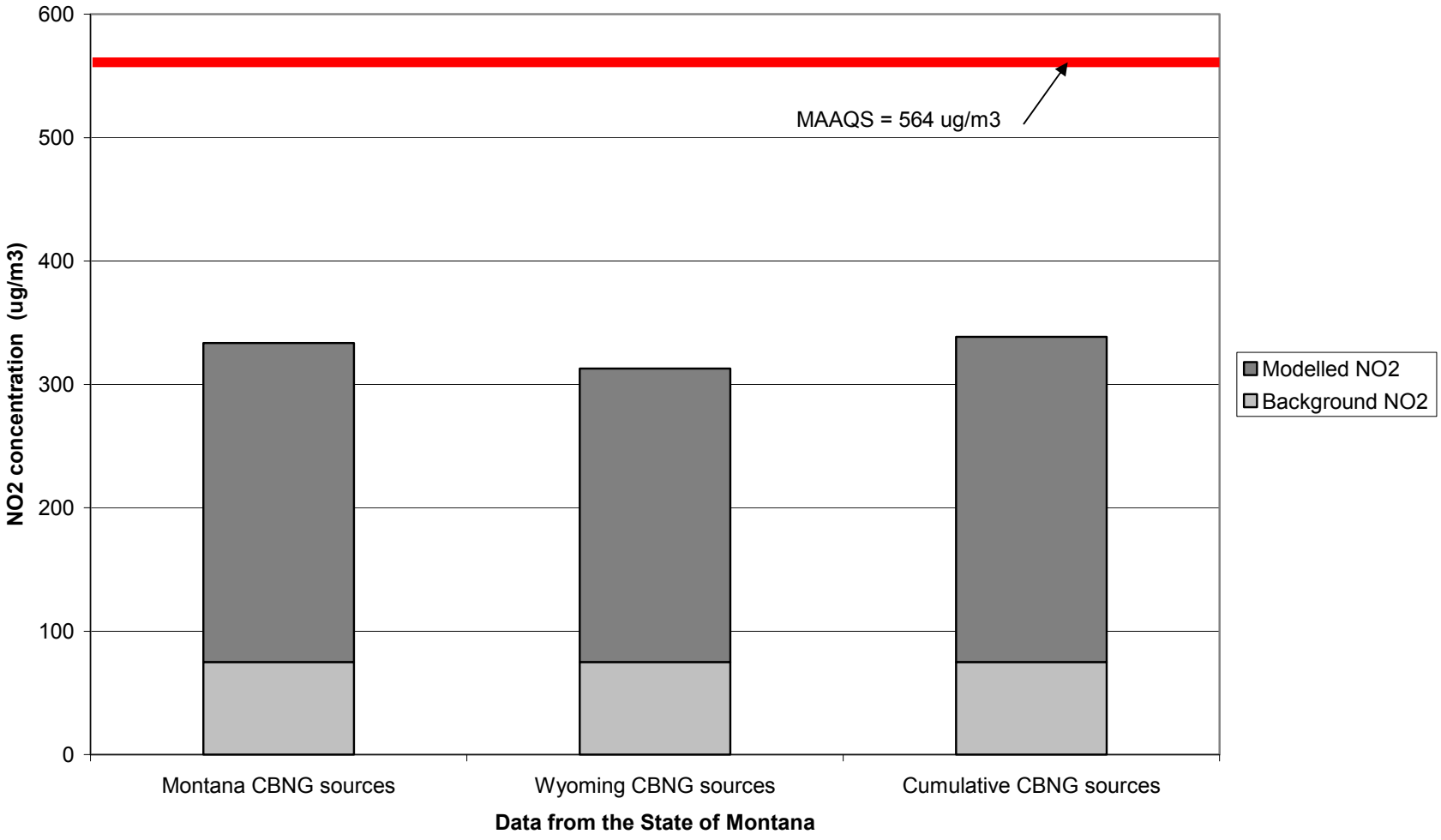


Figure 4.3.1- 3: Annual Nitrogen Dioxide Modelled Concentration in the Northern Cheyenne Reservation

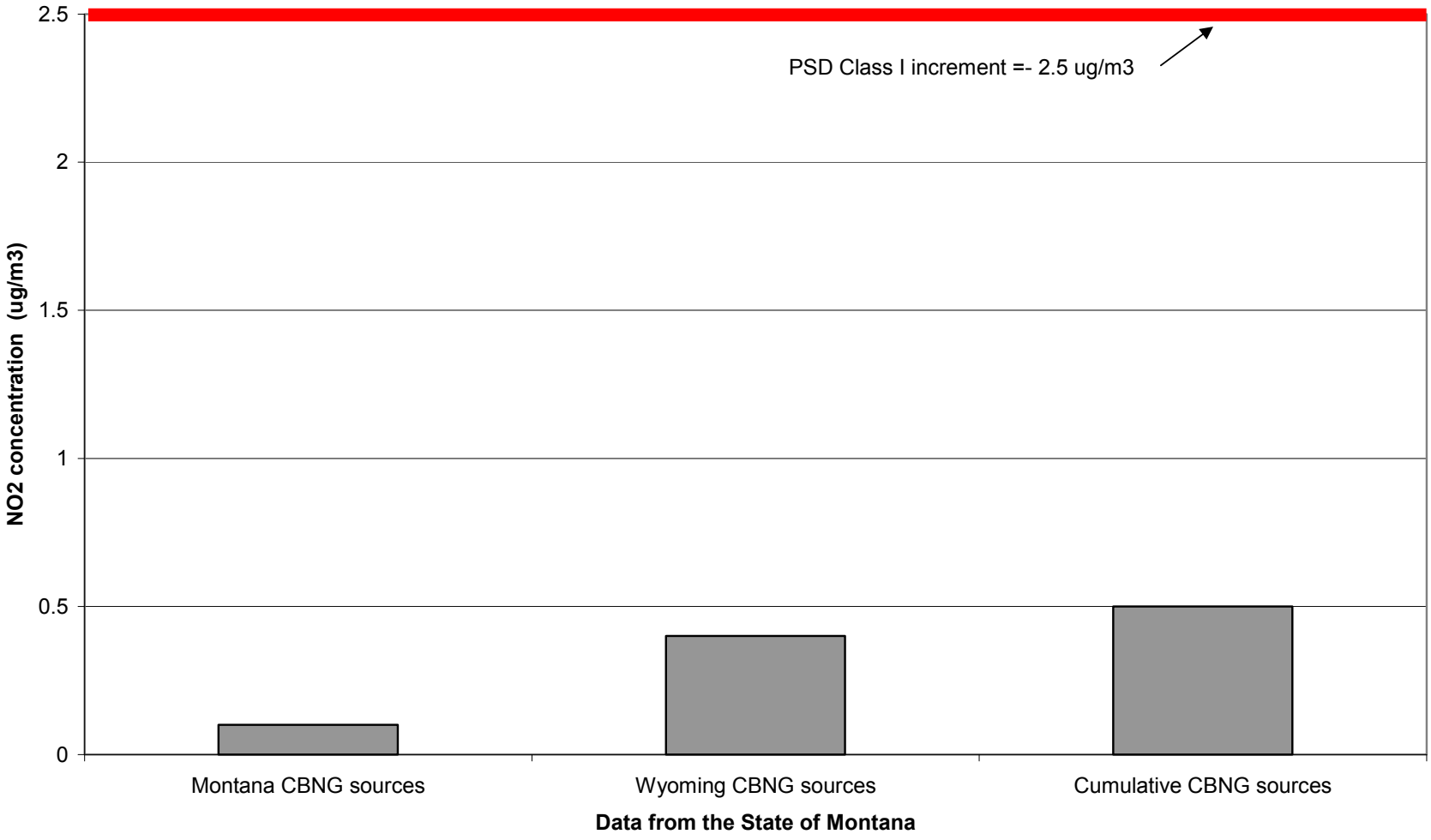
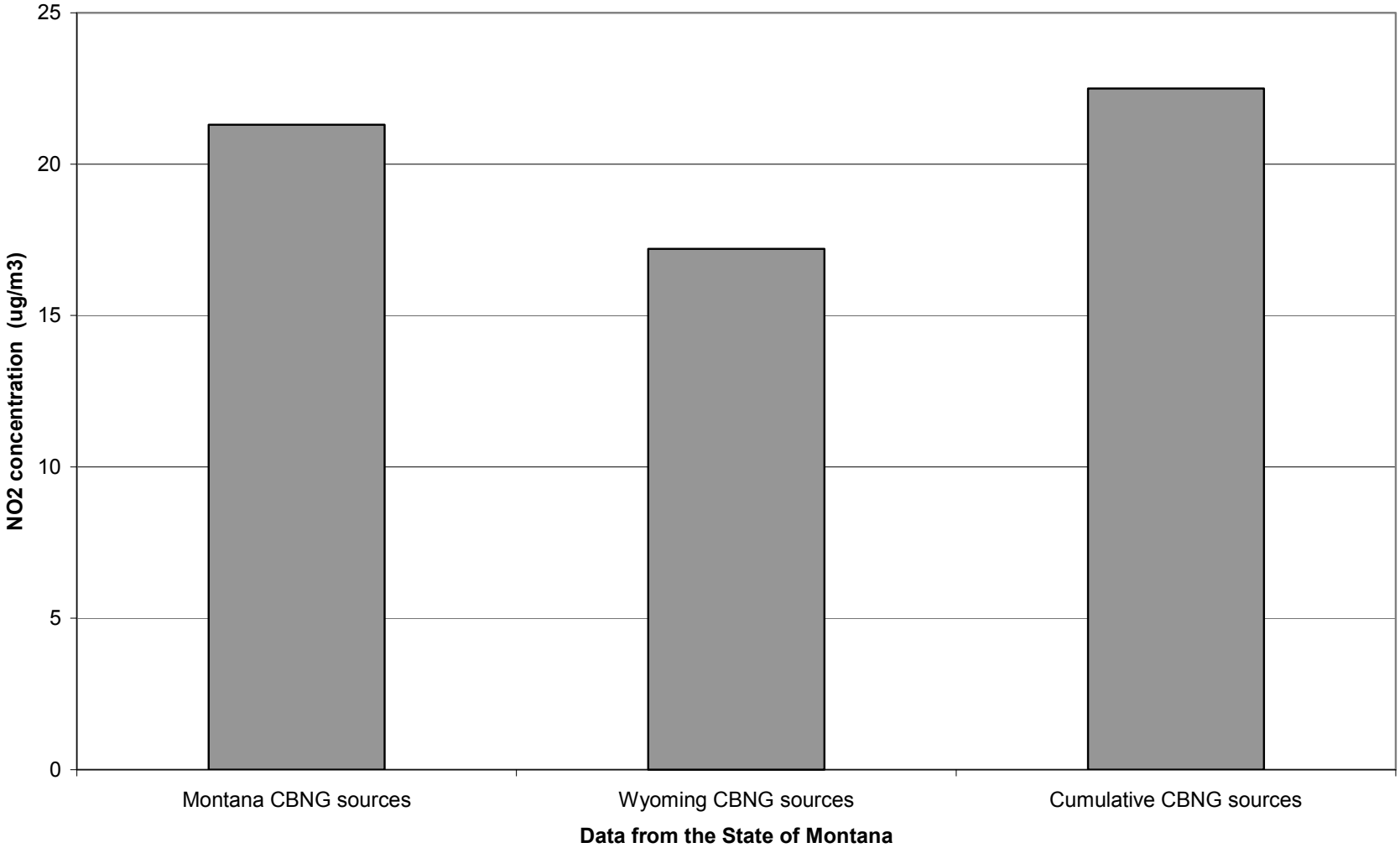



Figure 4.3.1- 4: Nitrogen Dioxide Modelled Concentration in the Badger Hills Area