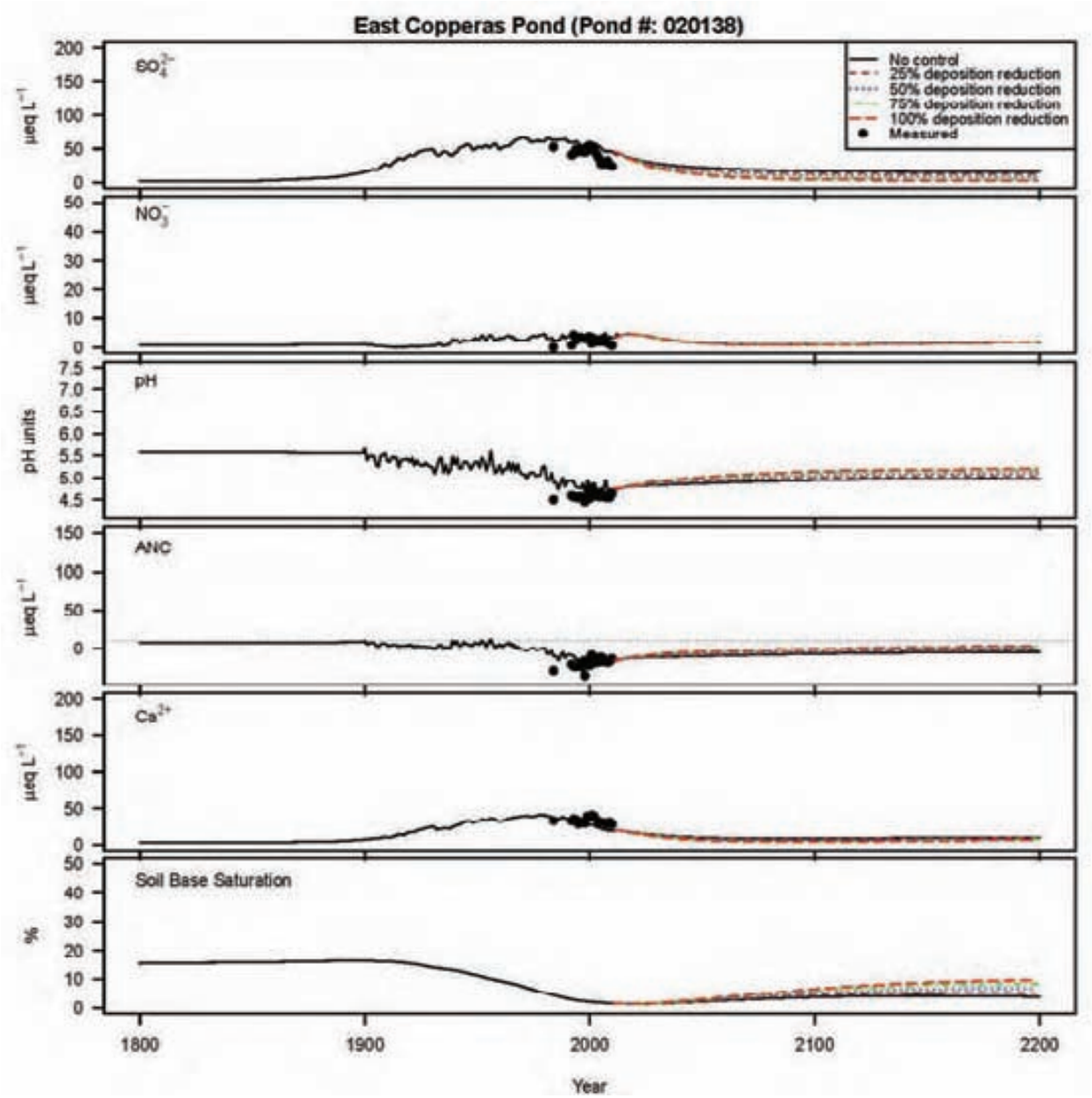
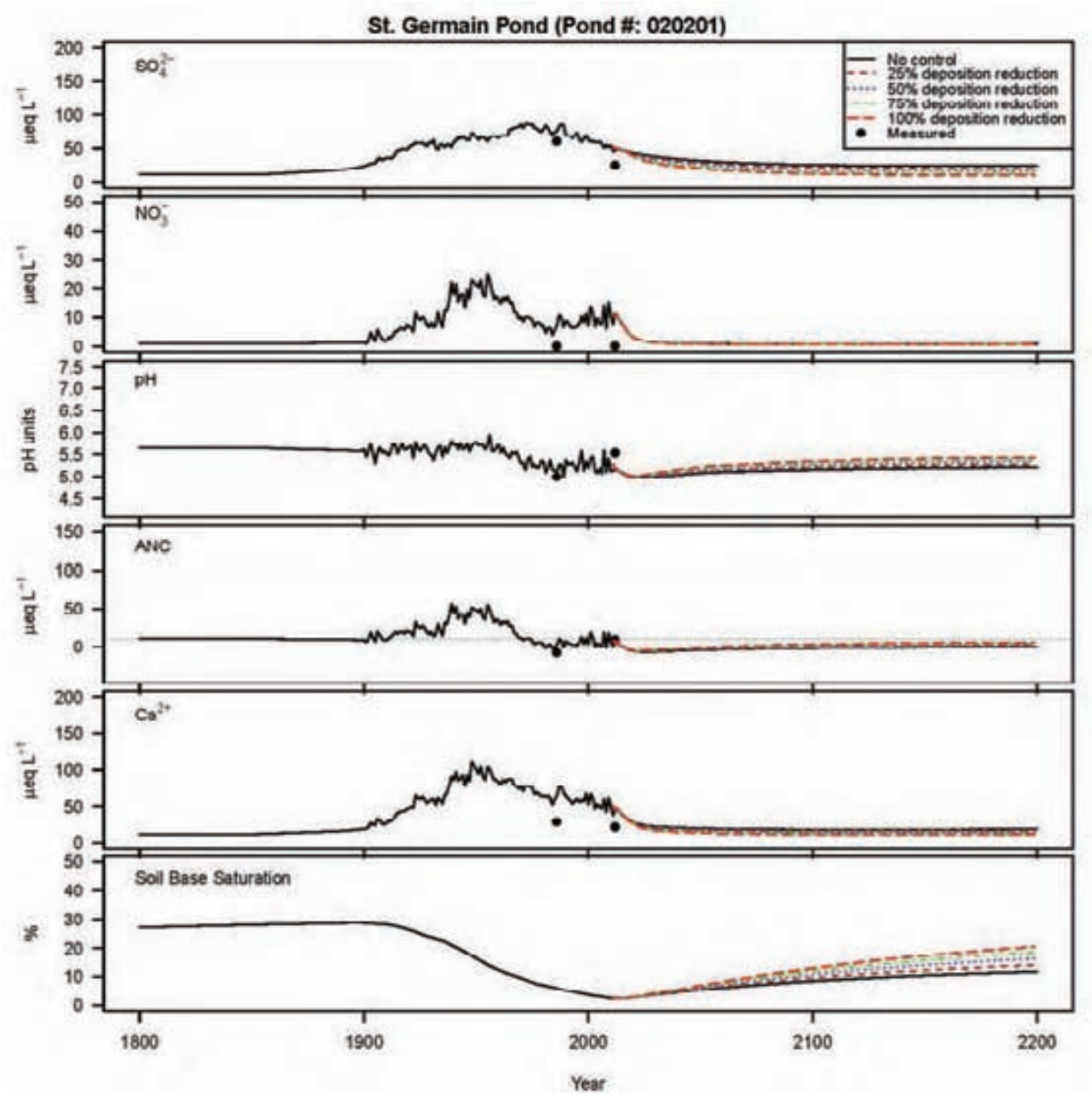
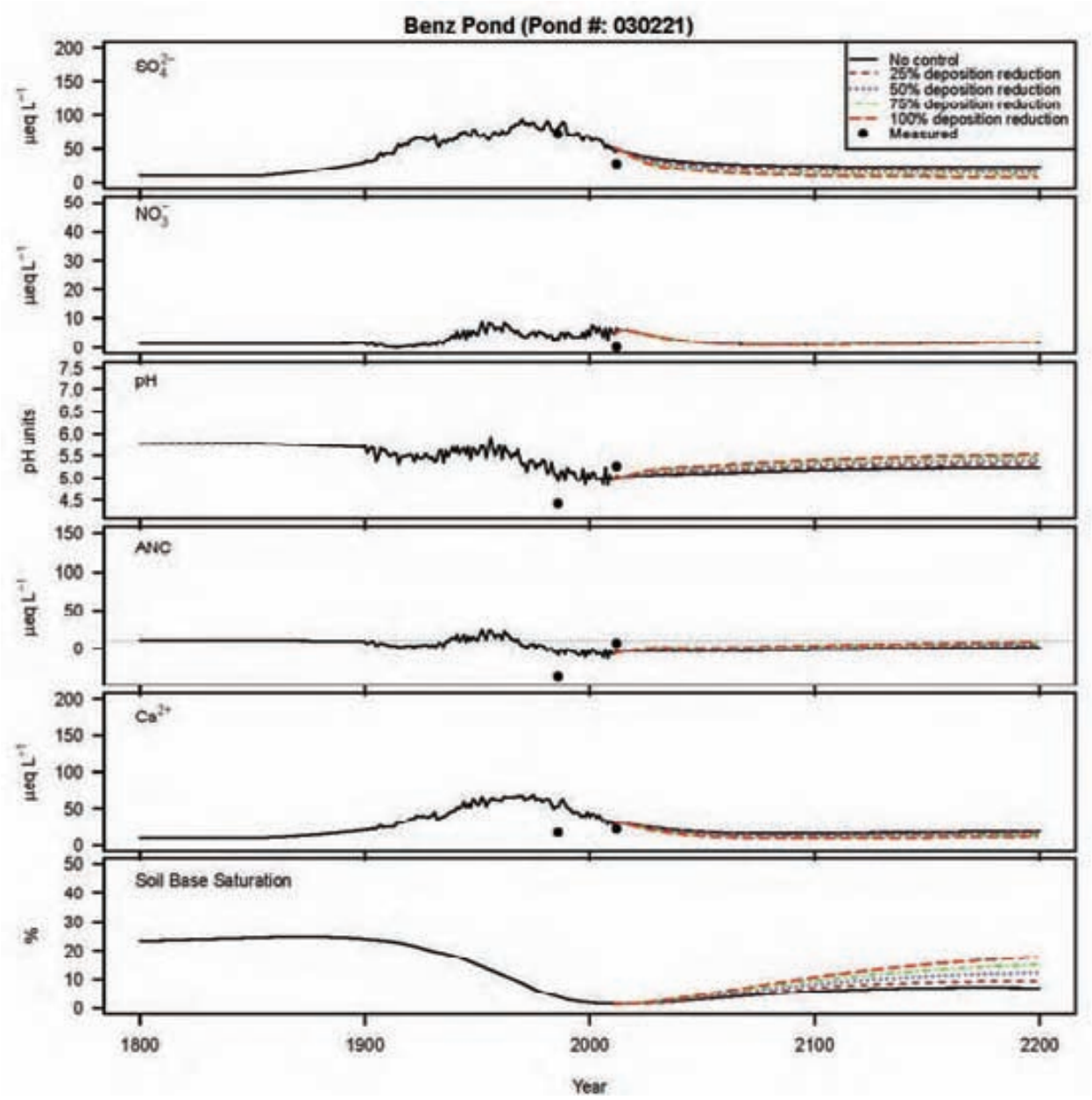
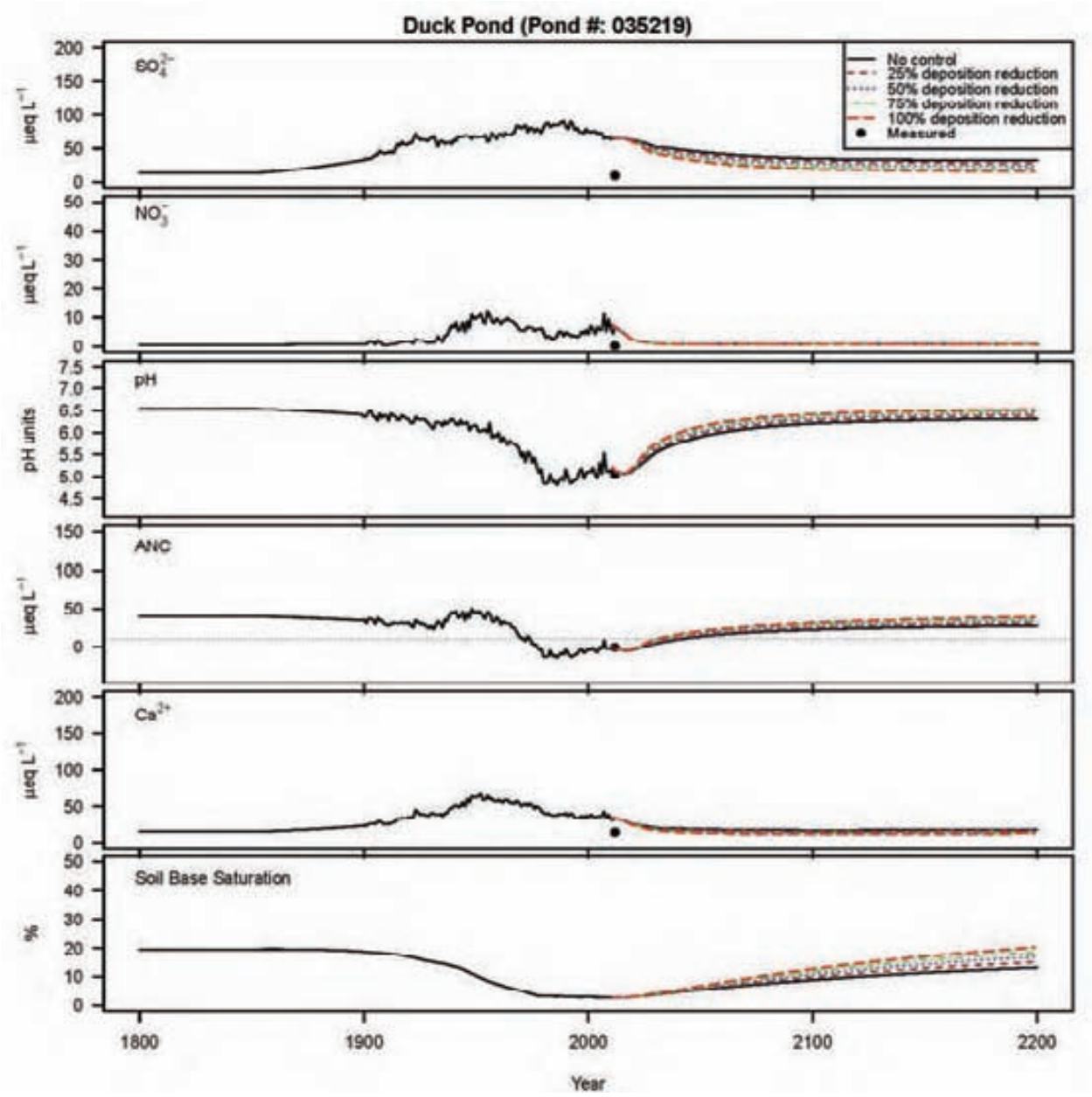
Appendix 3
Time-series results of model simulated concentrations of SO_4^{2-}, NO_3^-, pH, ANC, Ca^{2+} and soil percent base saturation for the 128 TMDL lakes

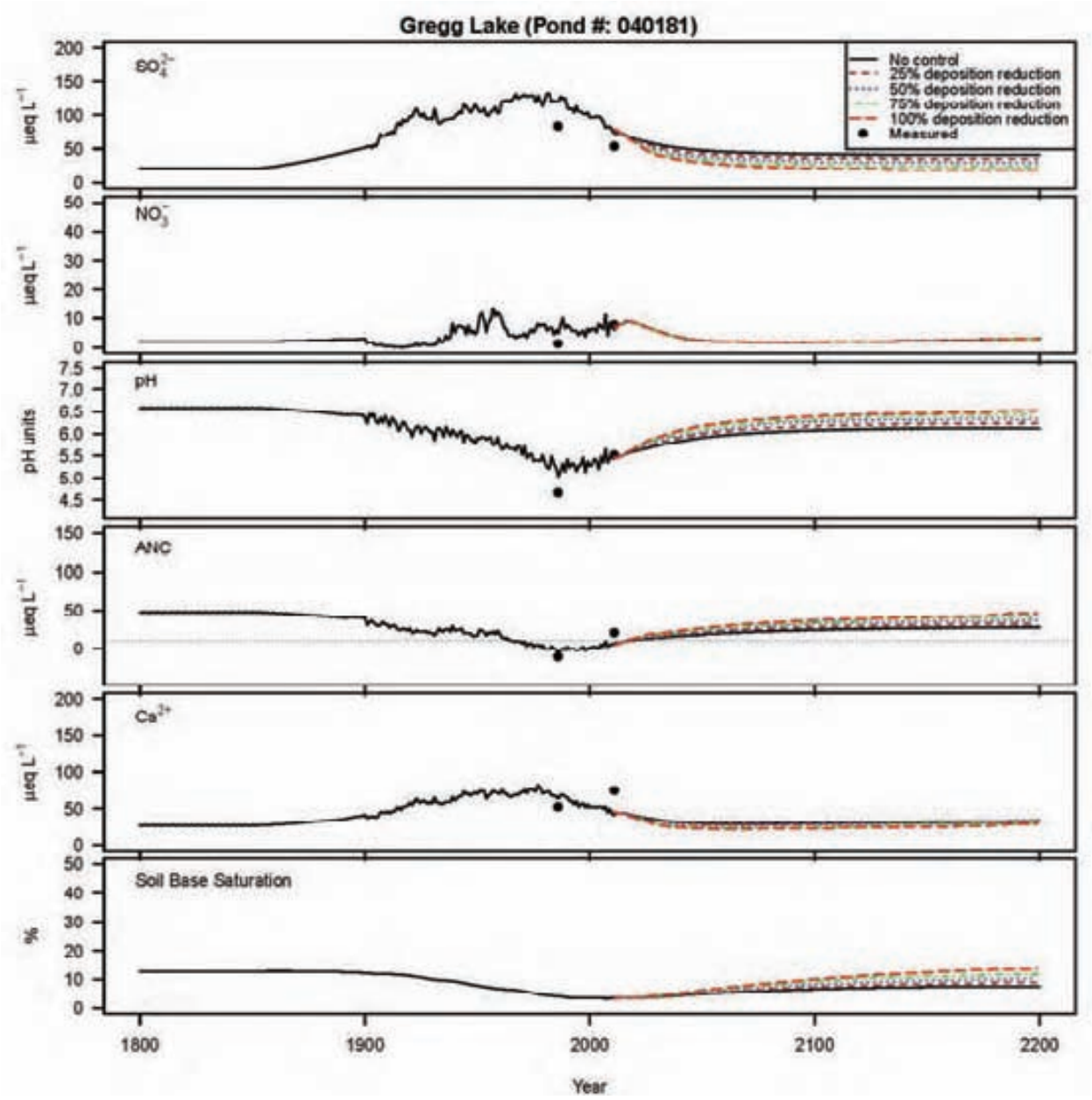
Time-series results of model simulated concentrations of SO_4^{2-}, NO_3^-, pH, ANC, Ca^{2+} and soil percent base saturation for the 128 TMDL lakes.

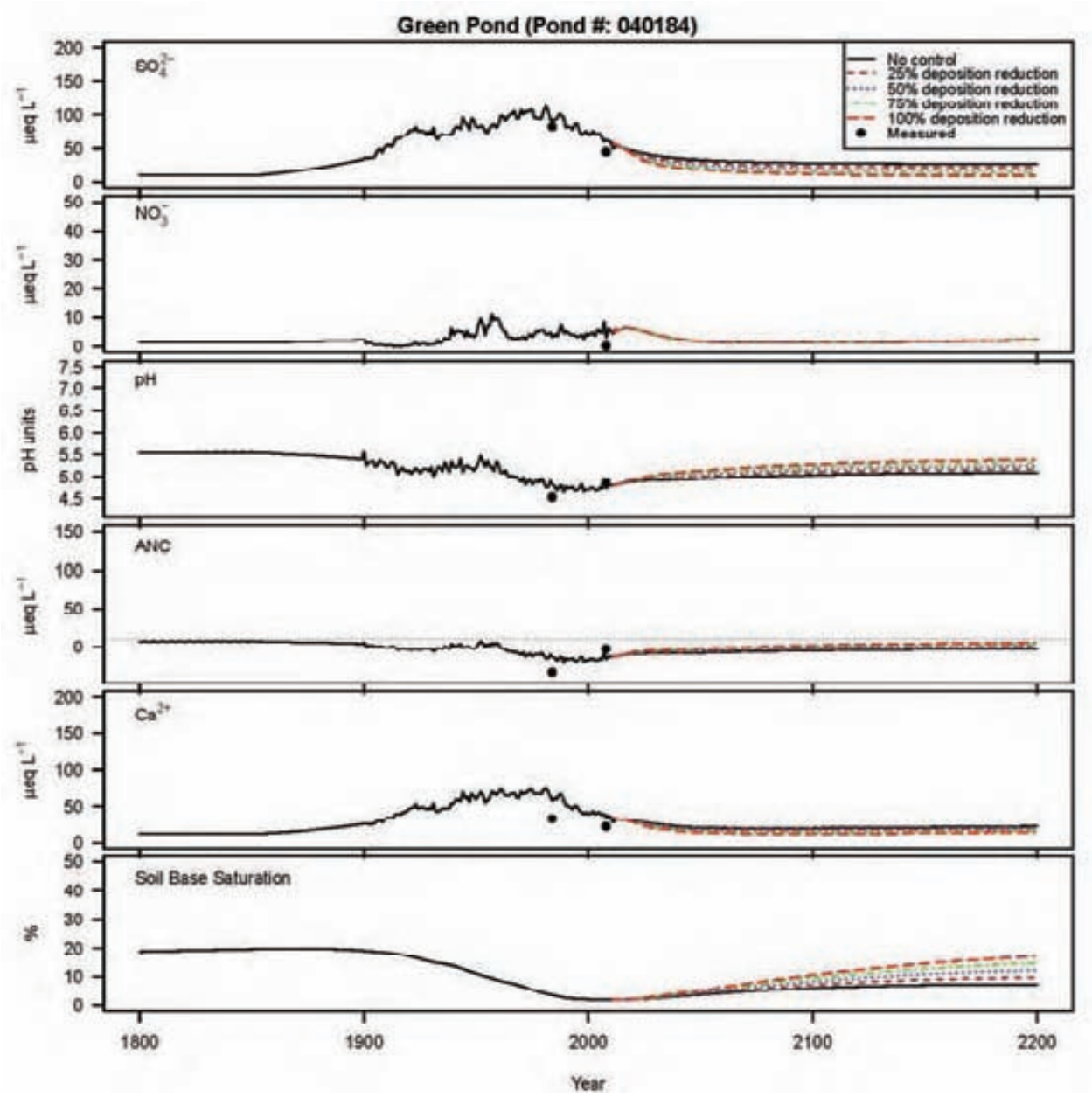

East Copperas Pond (Pond #: 020138)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

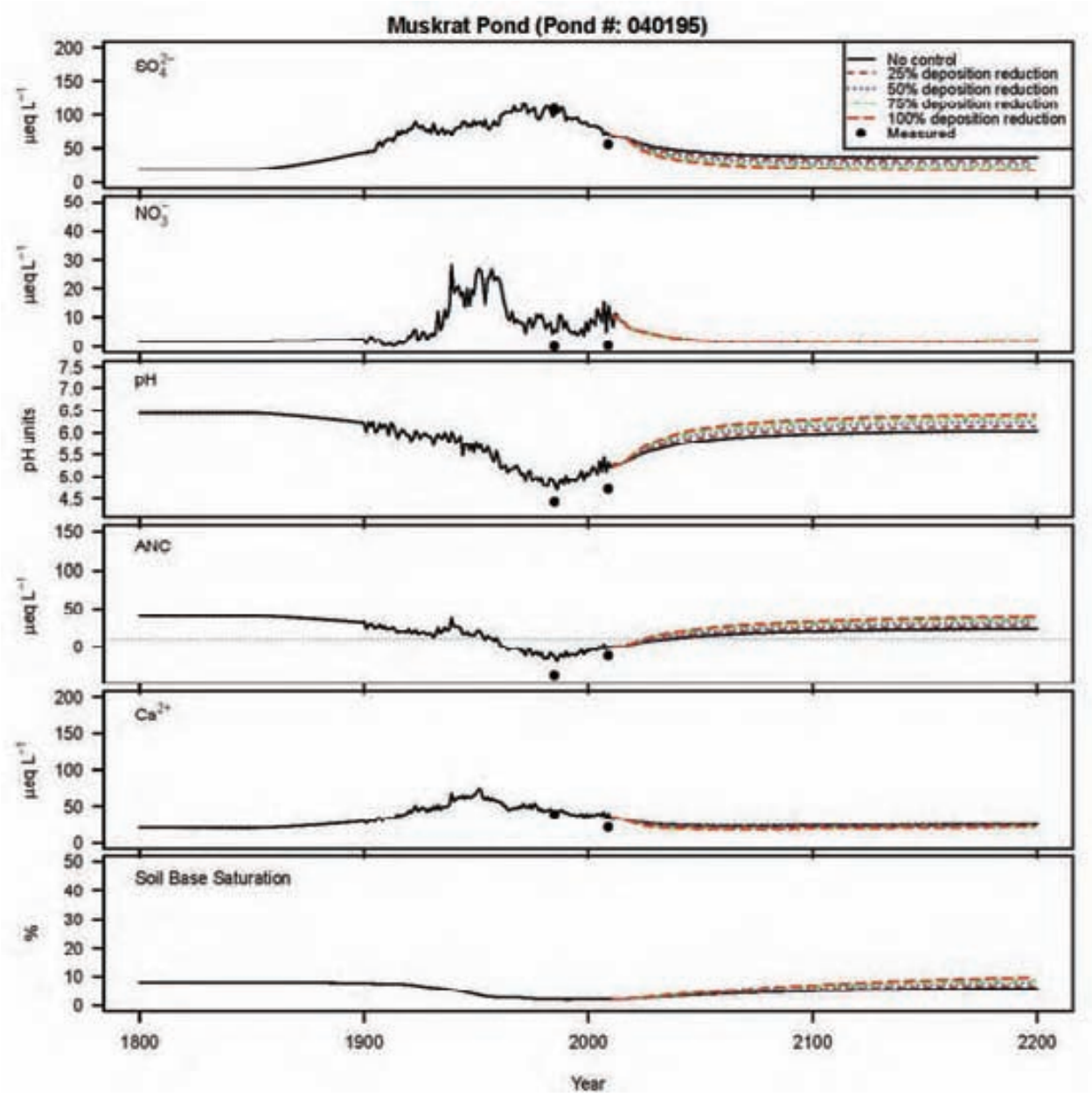

St. Germain Pond (Pond #: 020201)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

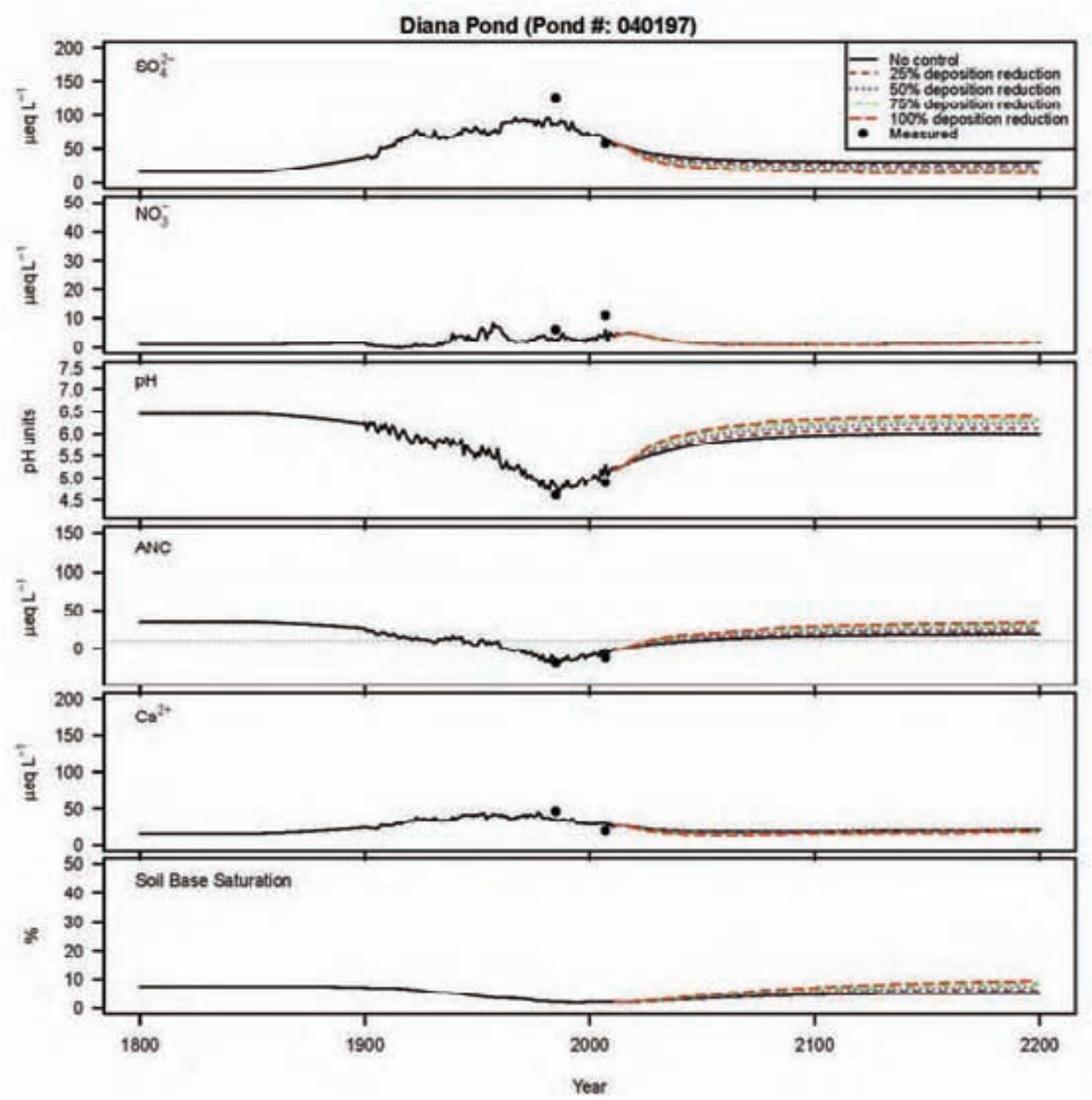

Benz Pond (Pond #: 030221)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

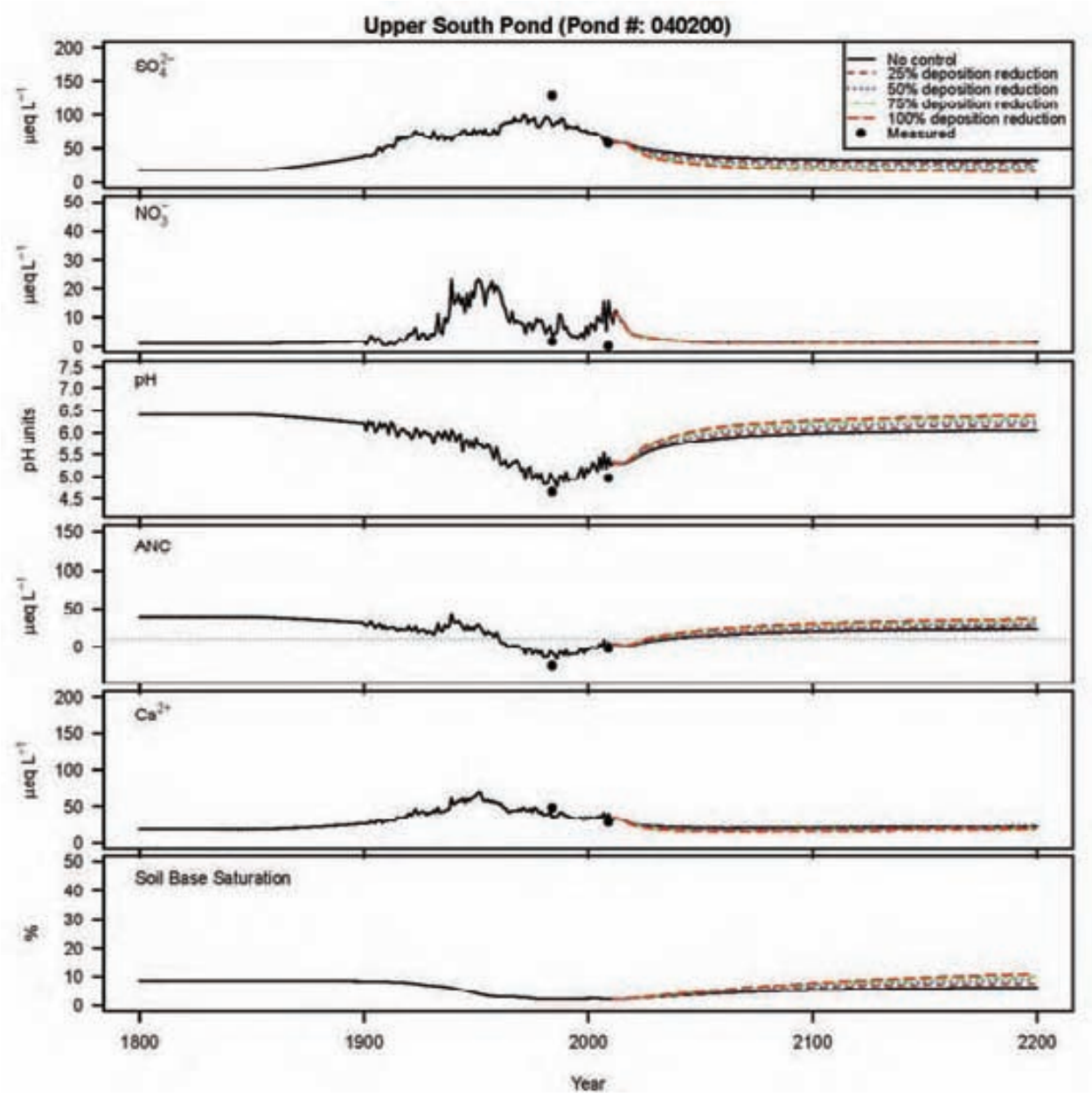

Duck Pond (Pond #: 035219)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

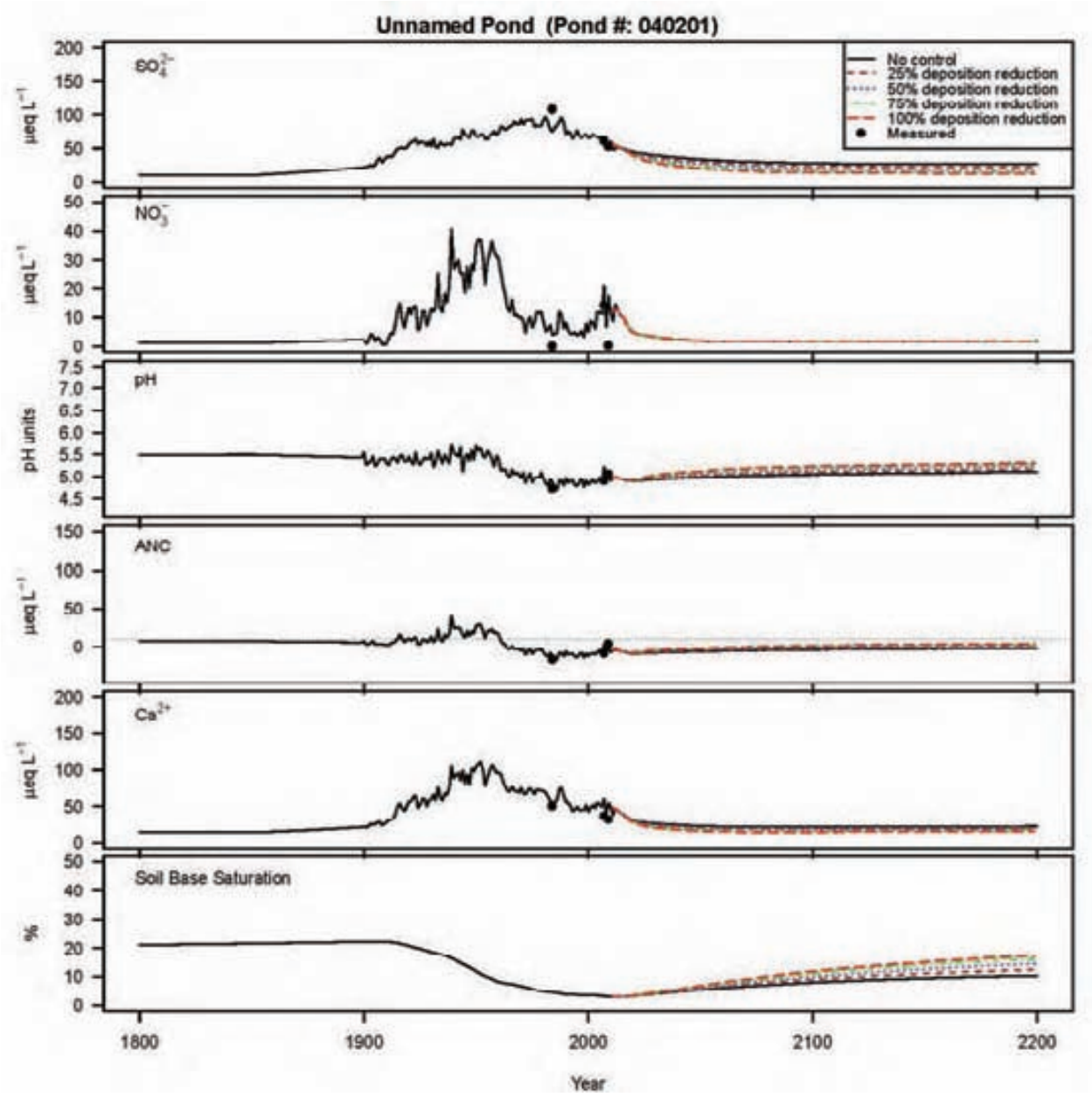

Gregg Lake (Pond #: 040181)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

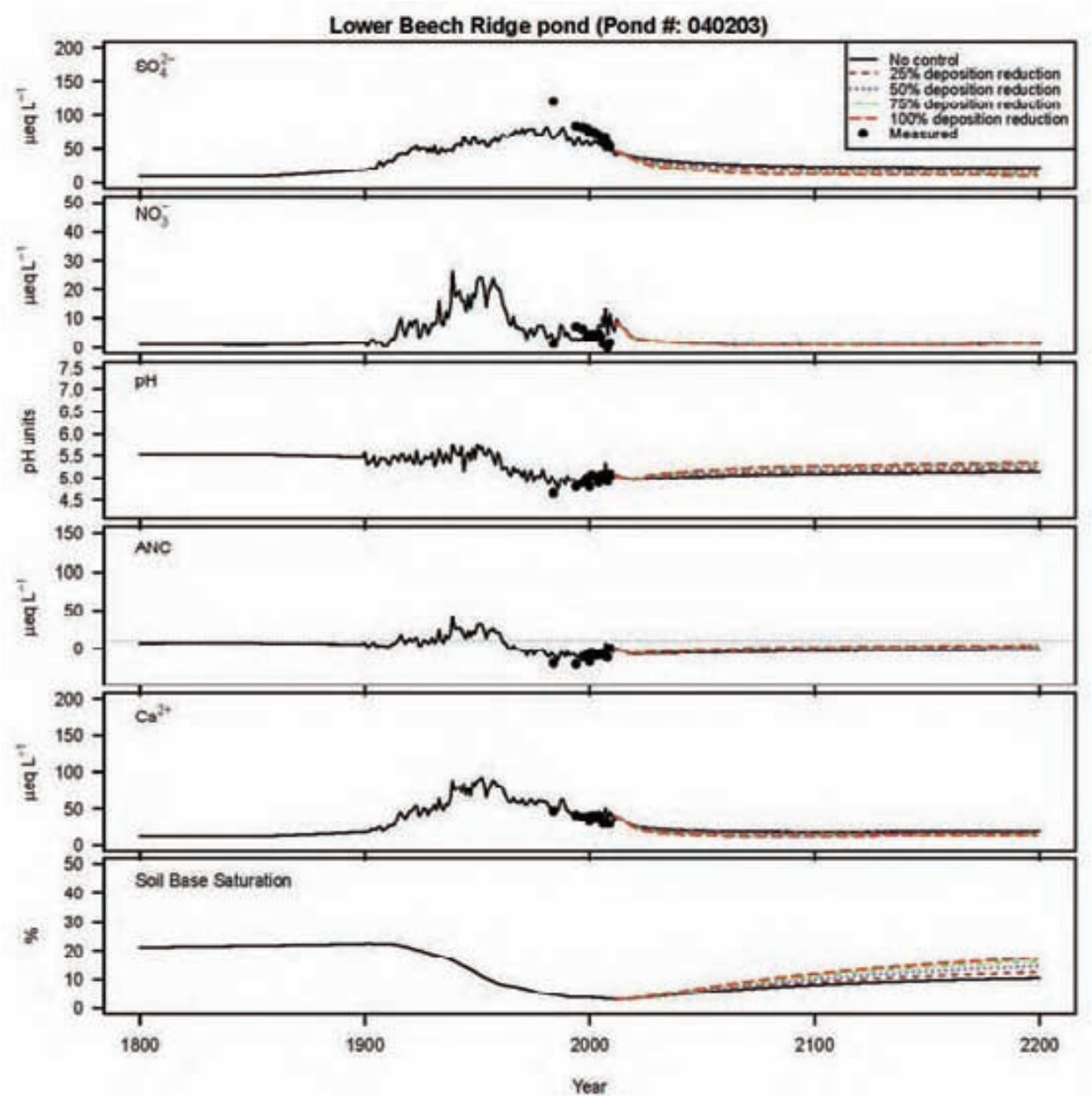

Green Pond (Pond #: 040184)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

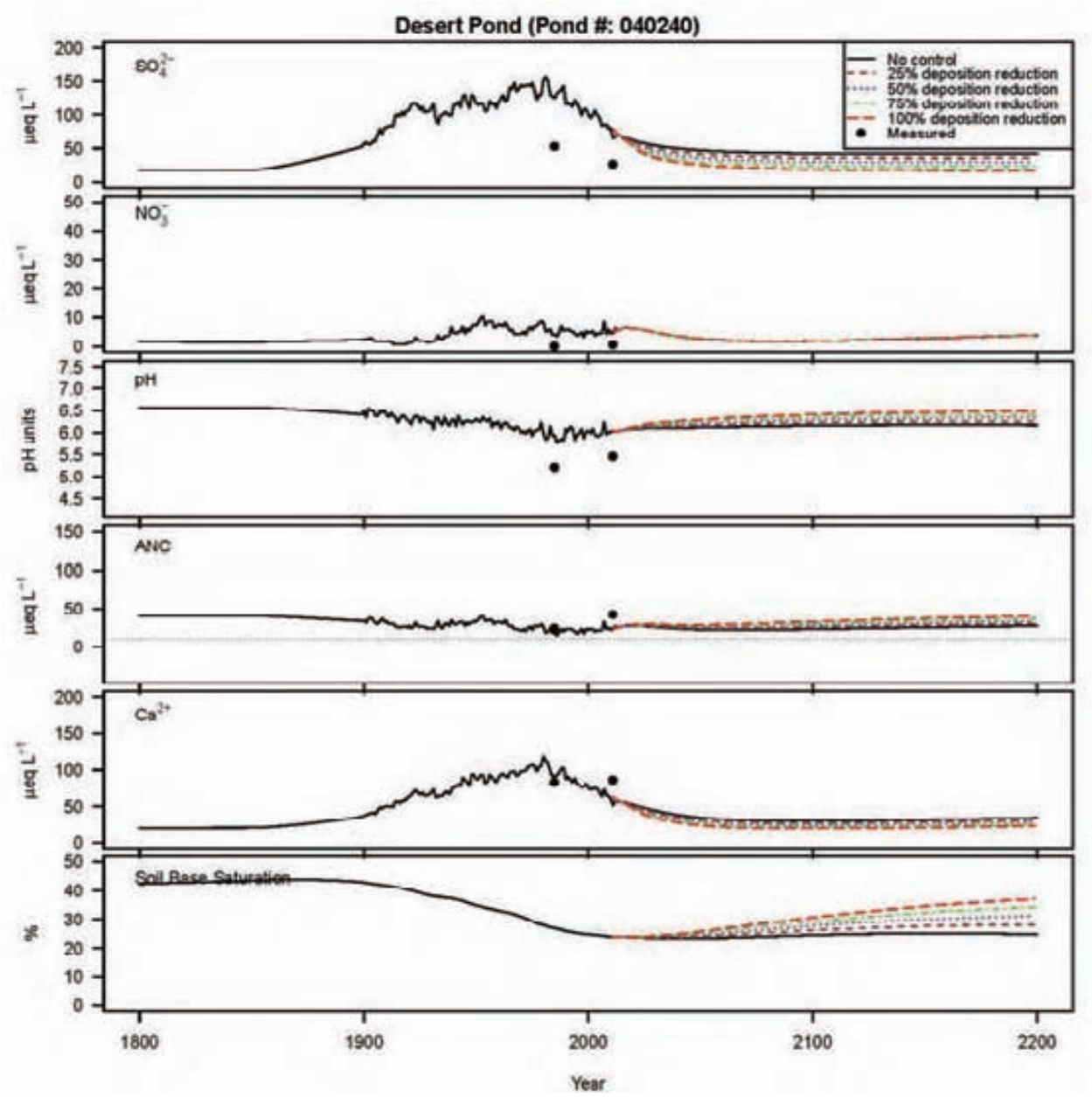

Muskrat Pond (Pond #: 040195)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

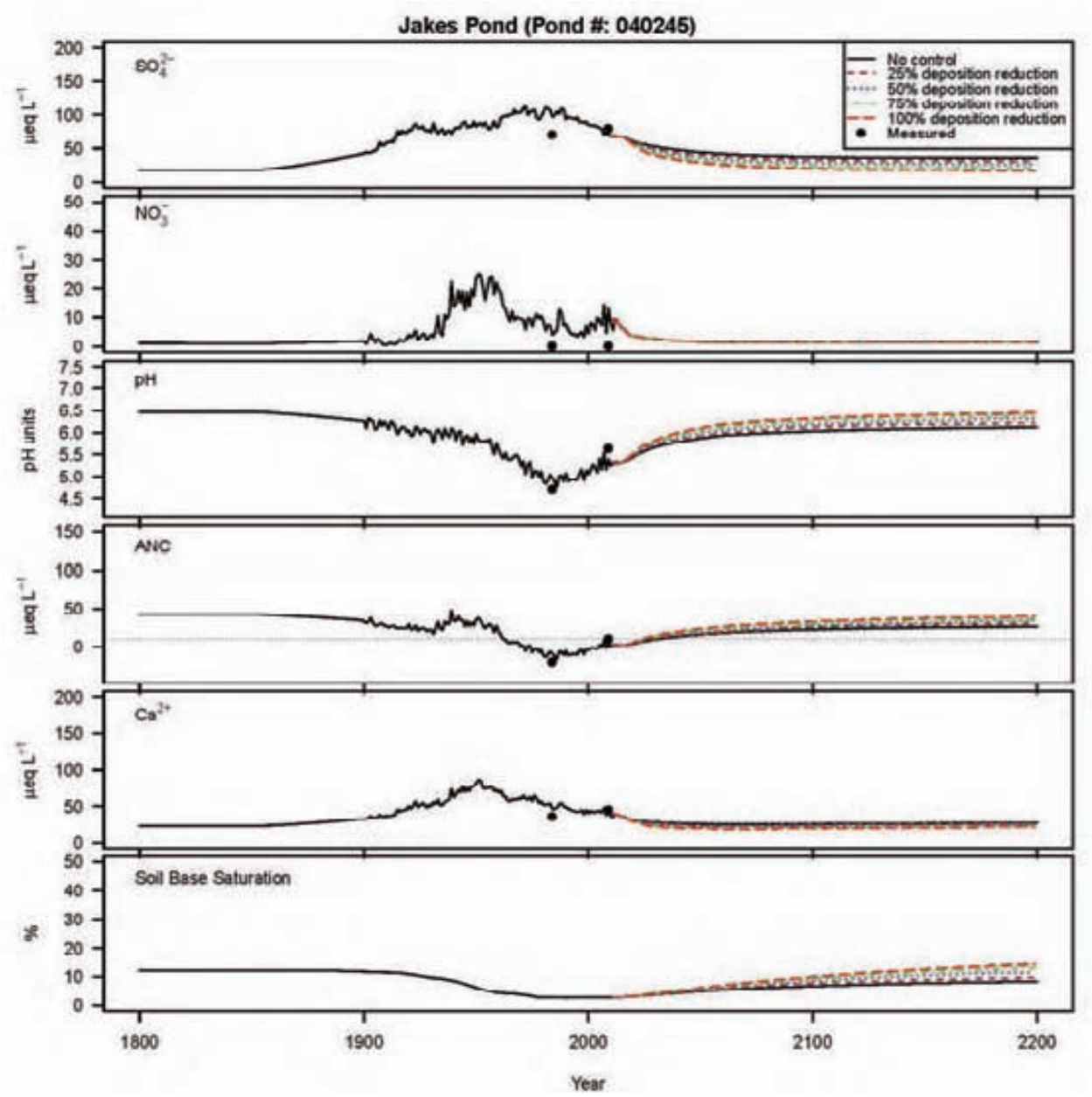

Diana Pond (Pond #: 040197)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

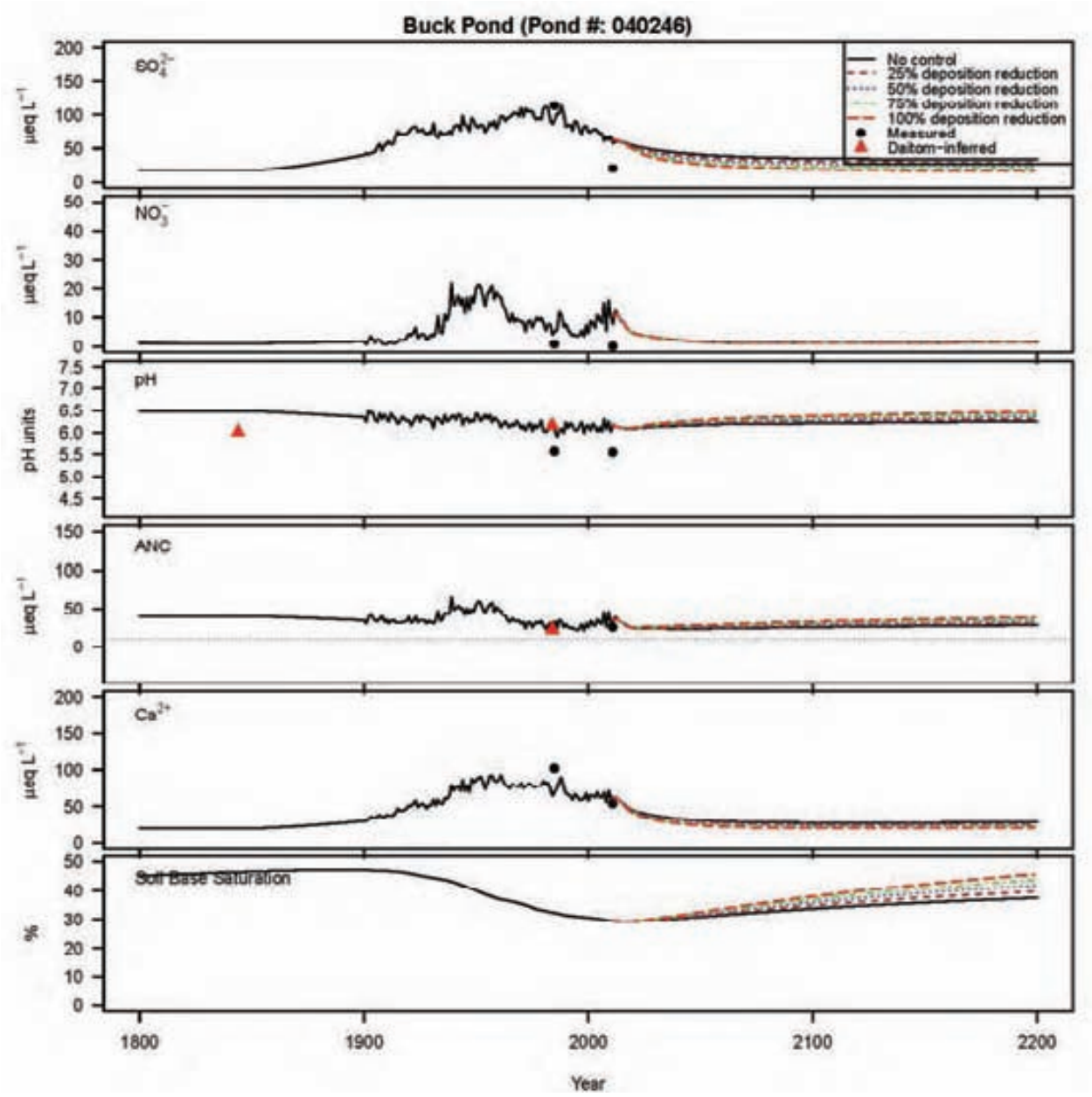

Upper South Pond (Pond #: 040200)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year

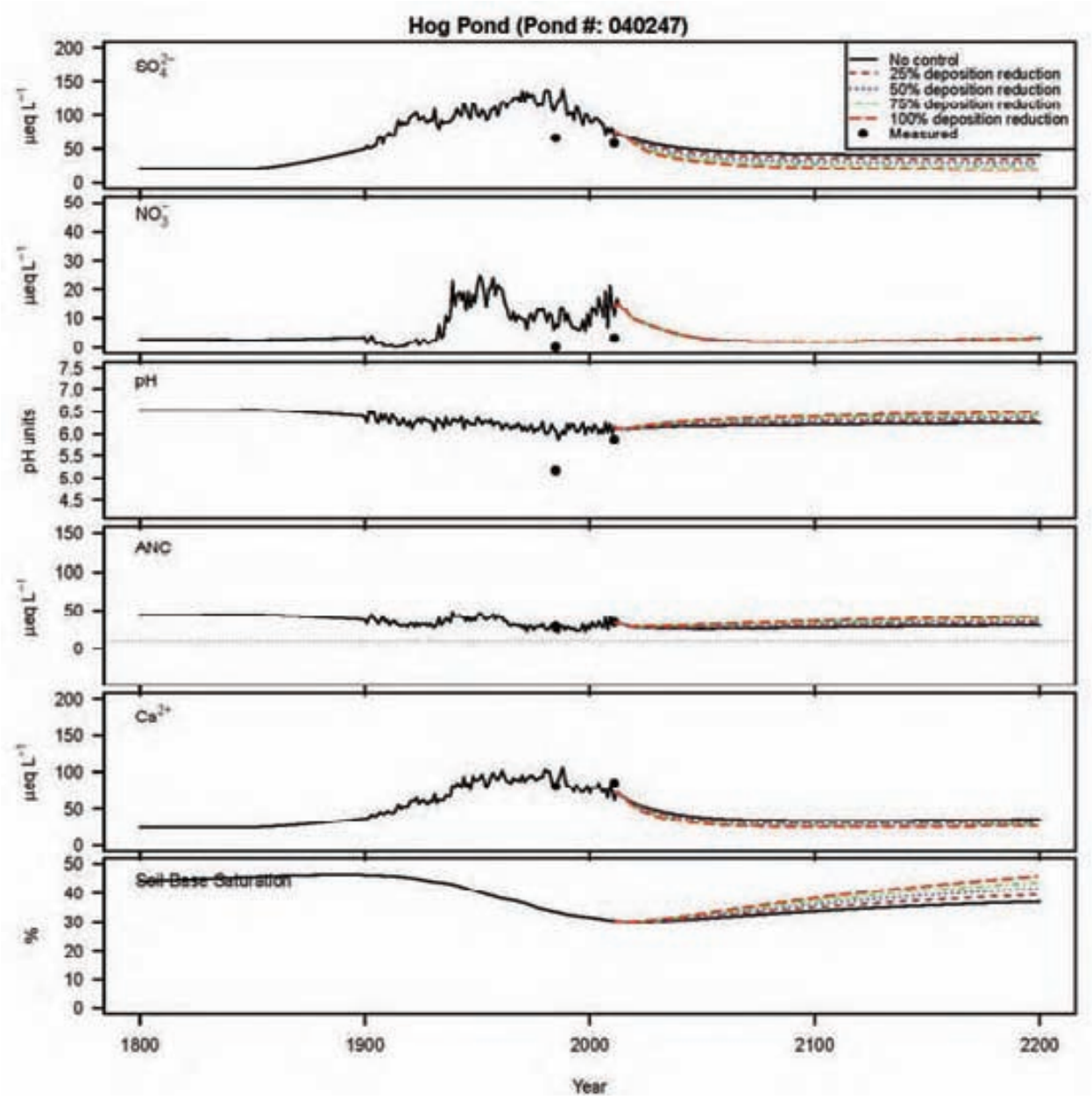

Unnamed Pond (Pond #: 040201)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

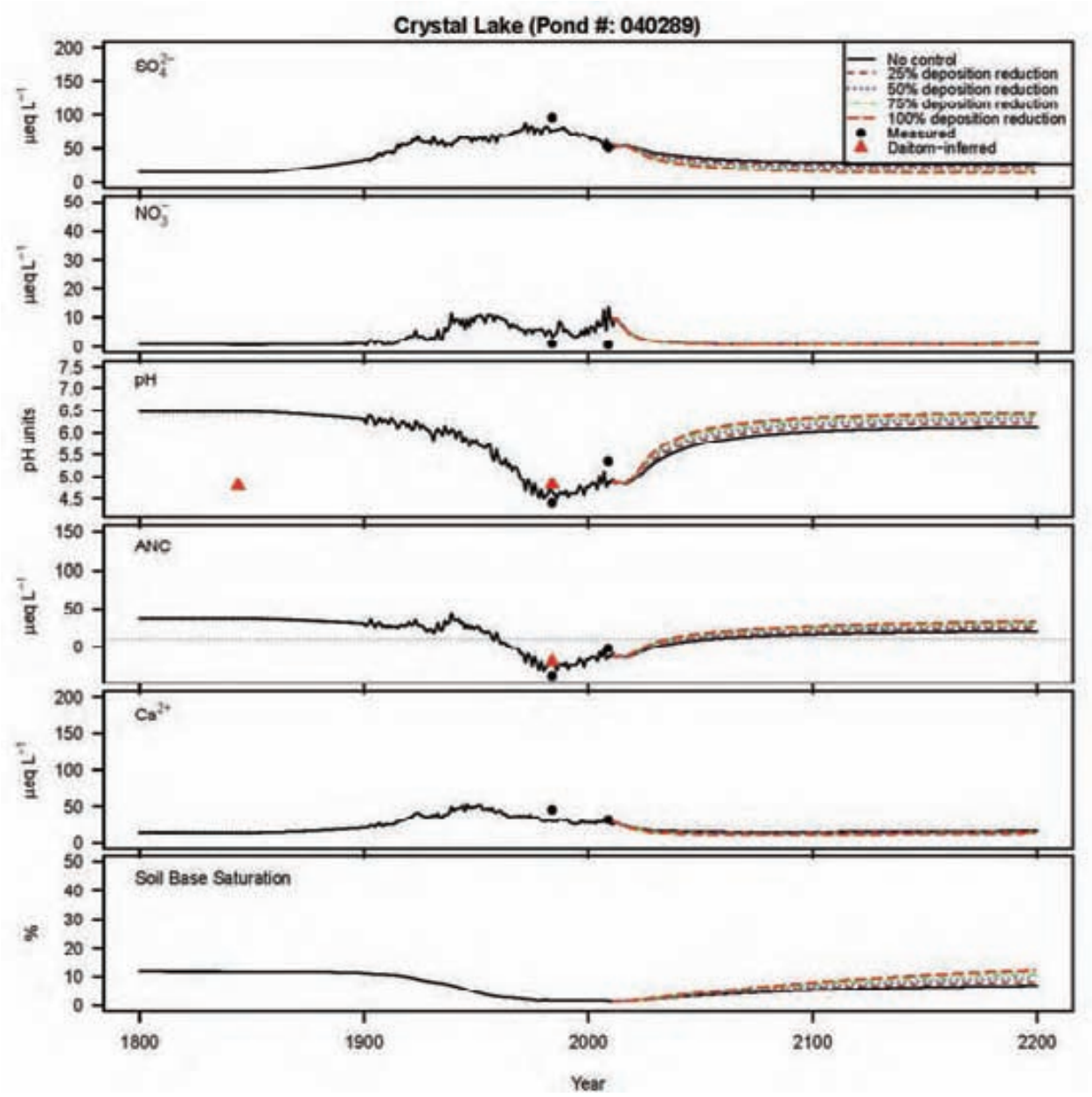

Lower Beech Ridge pond (Pond #: 040203)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

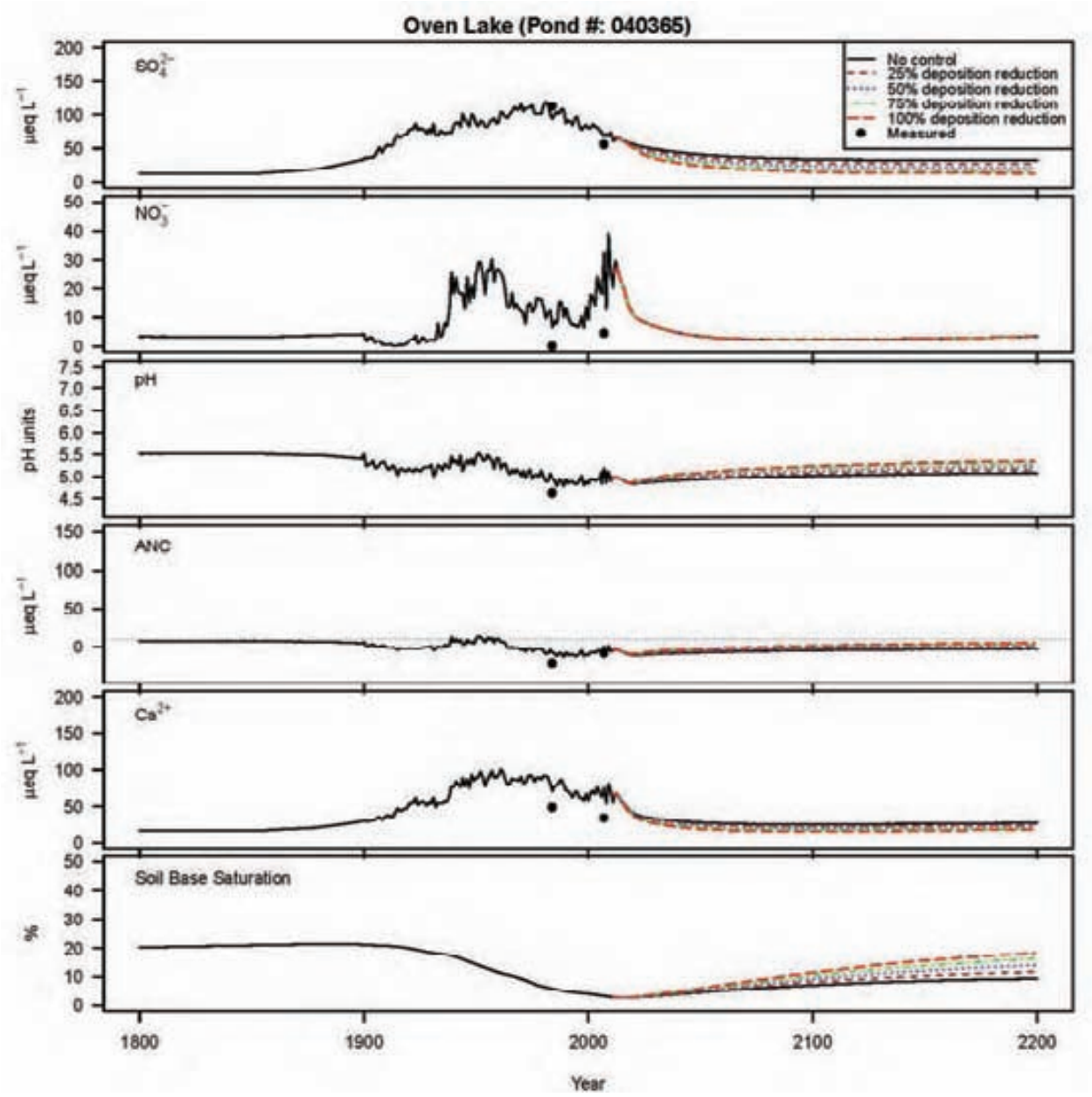

Desert Pond (Pond #: 040240)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

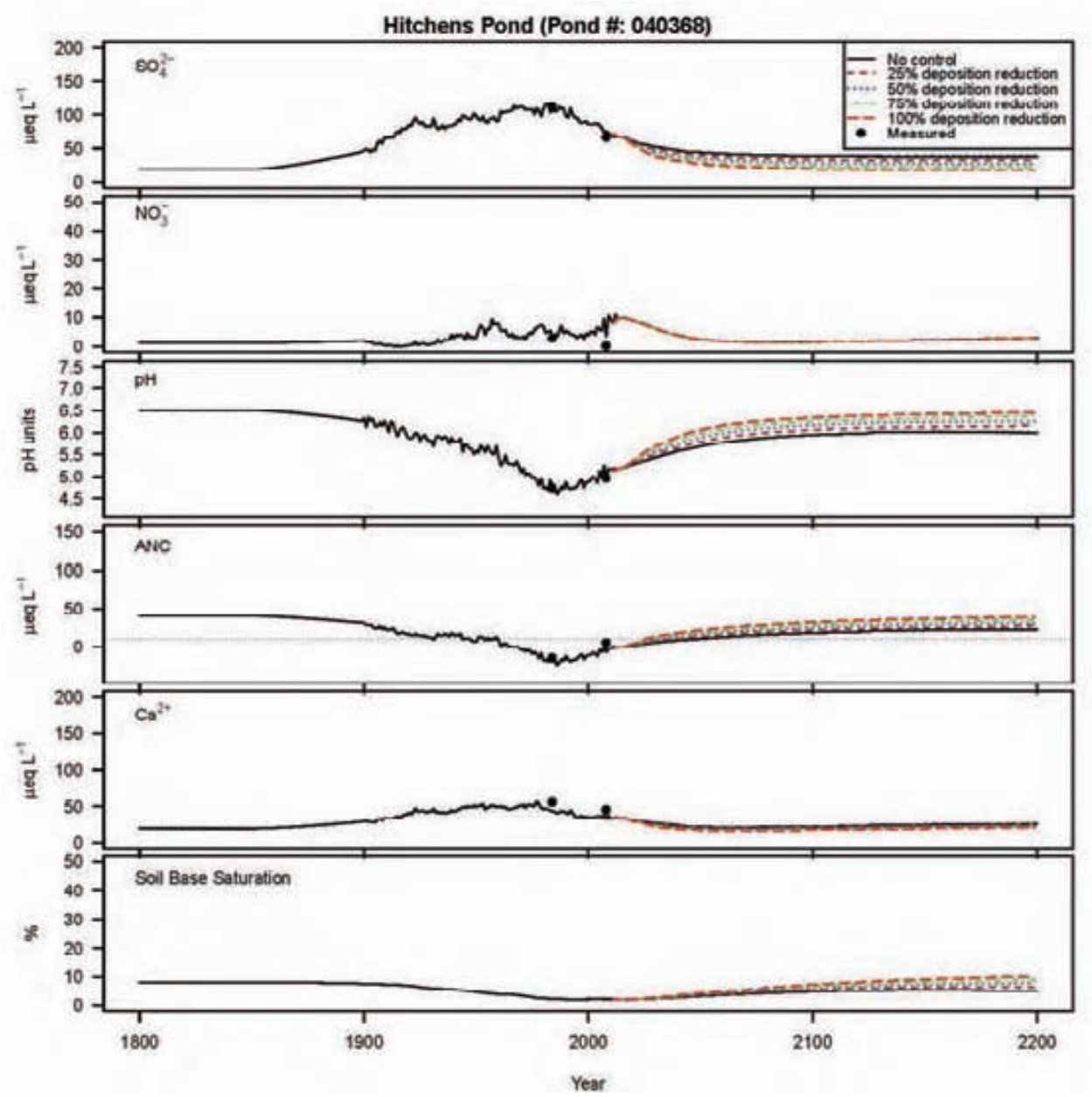

Jakes Pond (Pond #: 040245)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year

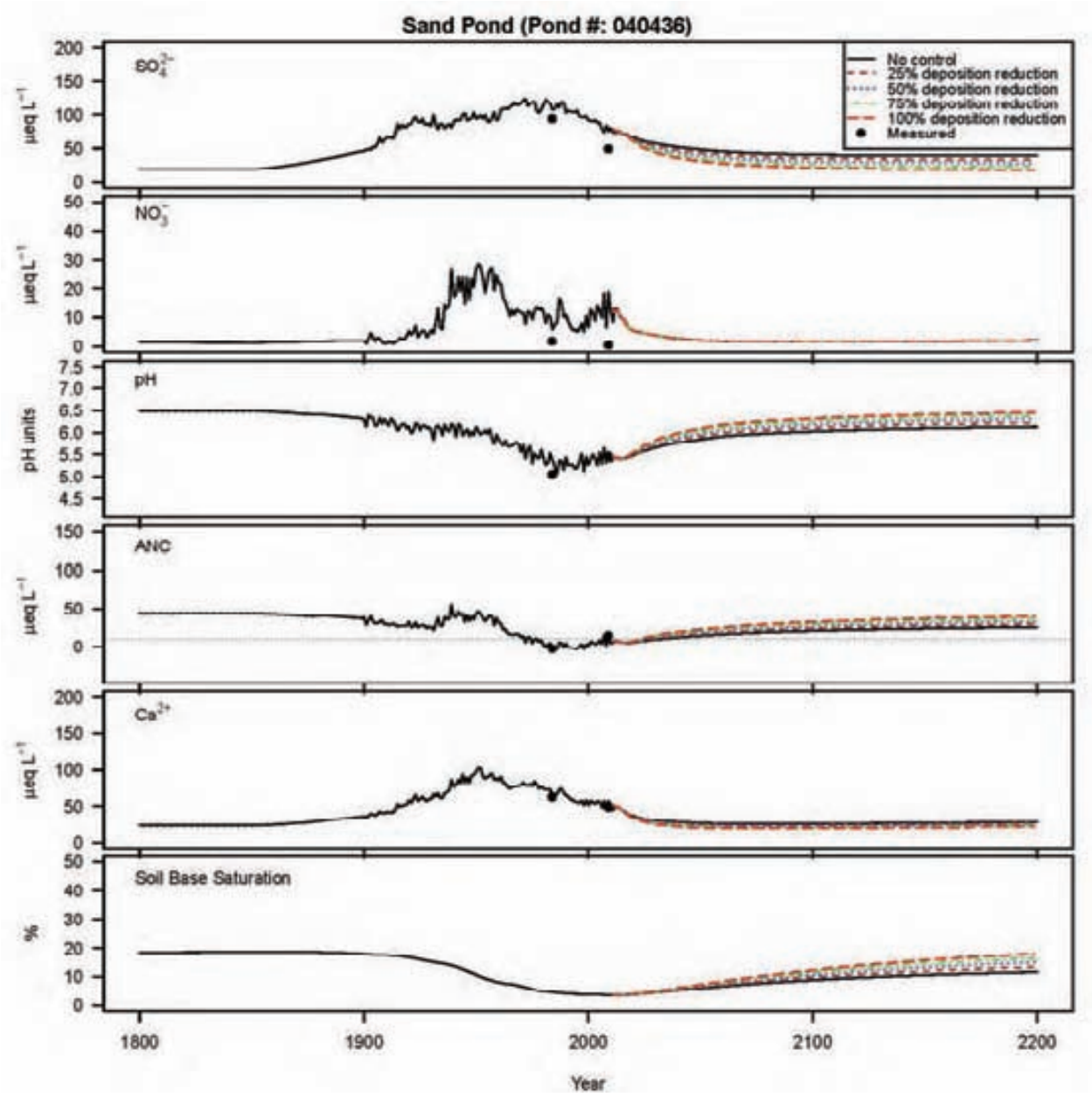

Buck Pond (Pond #: 040246)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
Diatom-inferred
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

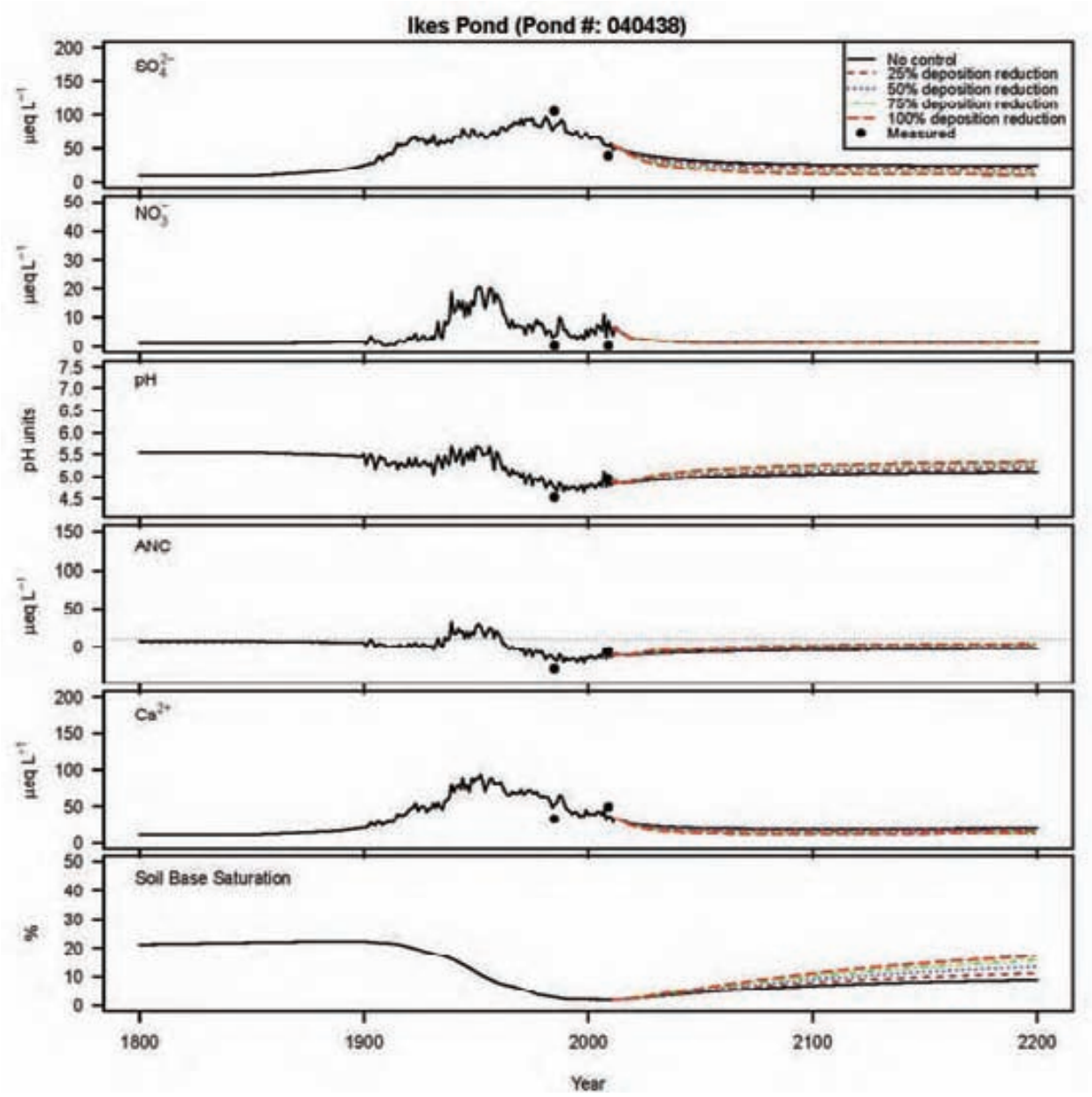

Hog Pond (Pond #: 040247)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

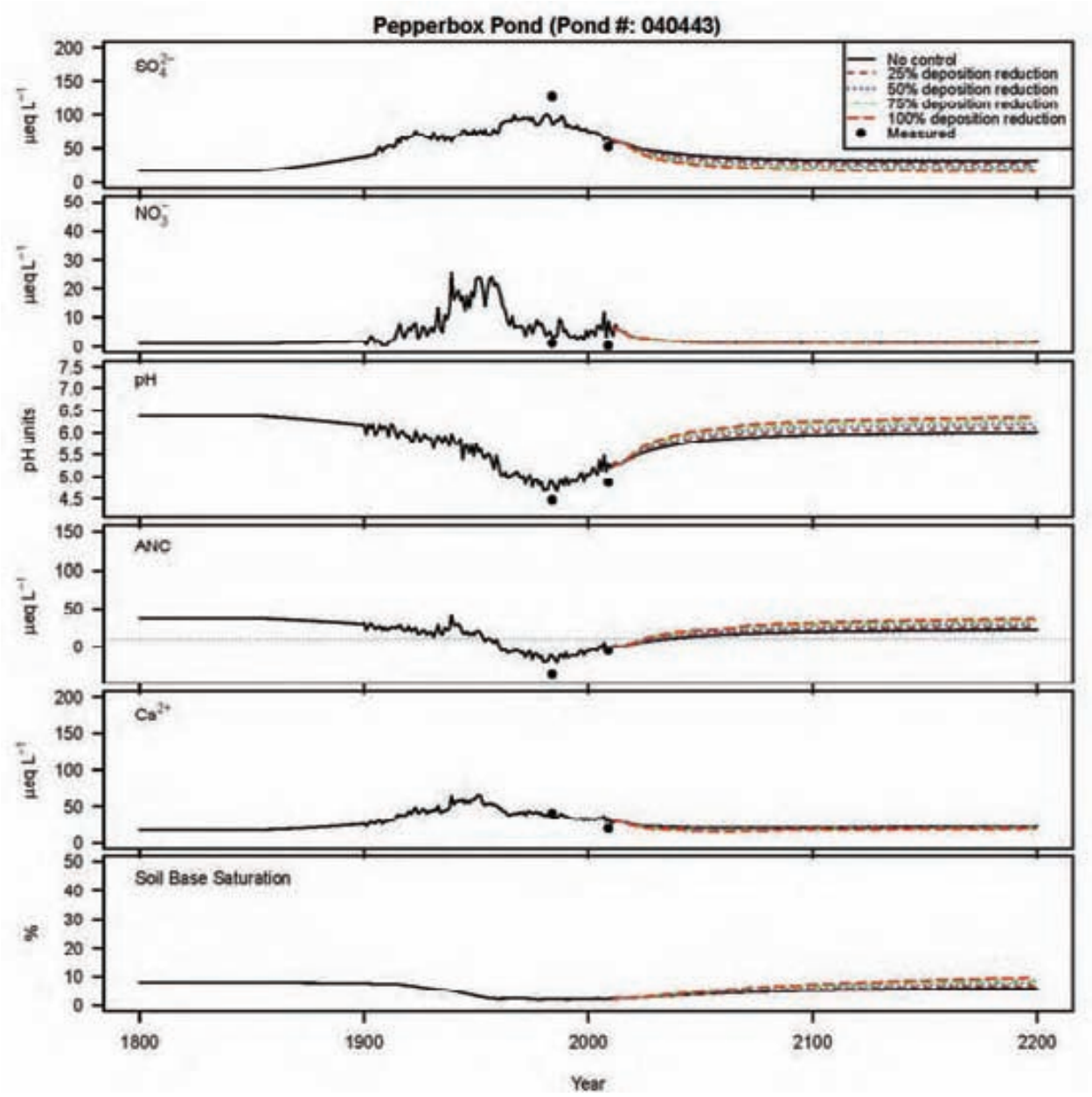

Crystal Lake (Pond #: 040289)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
Diatom-inferred
μeq L⁻¹
pH units
%
Year

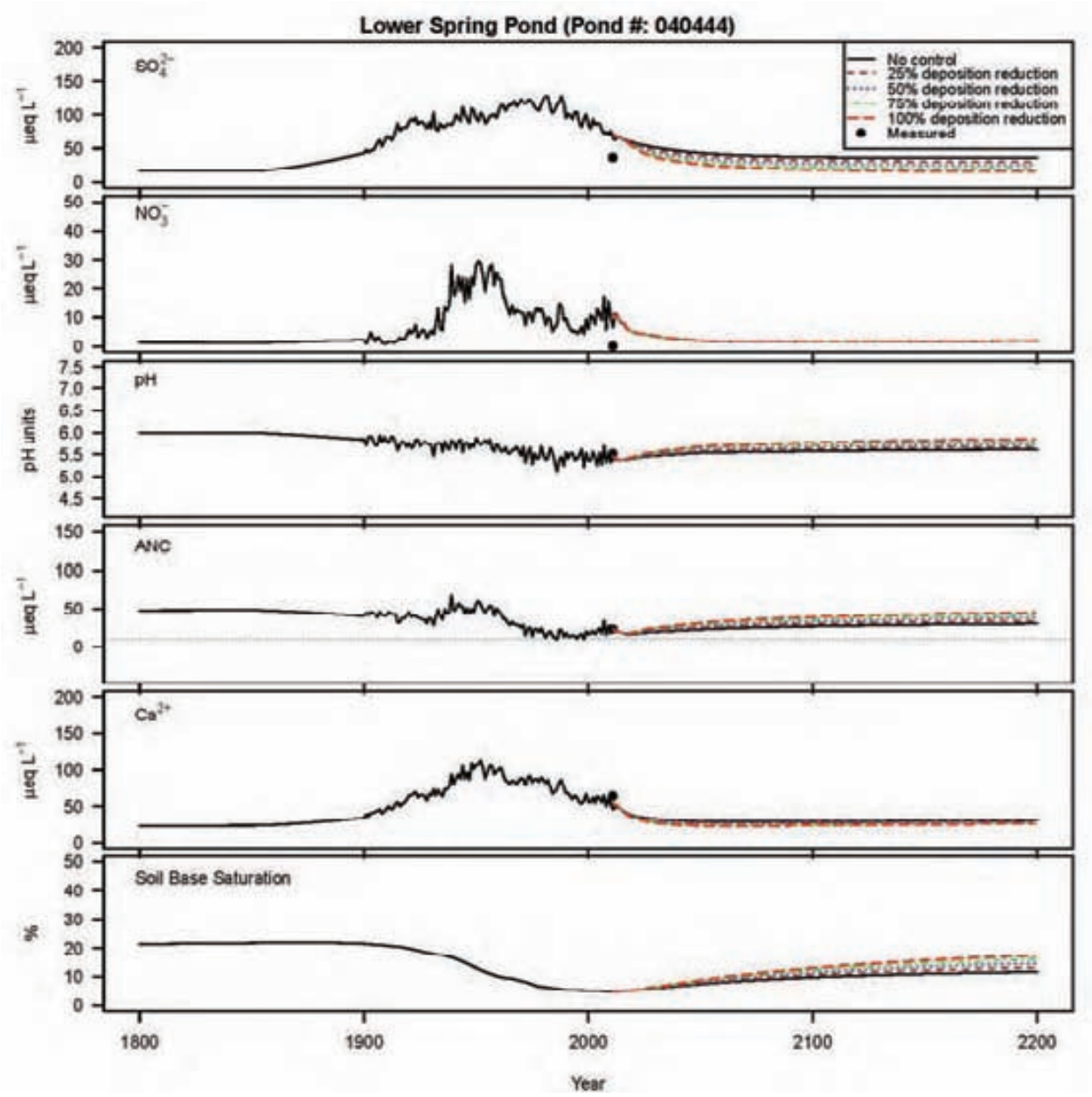

Oven Lake (Pond #: 040365)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

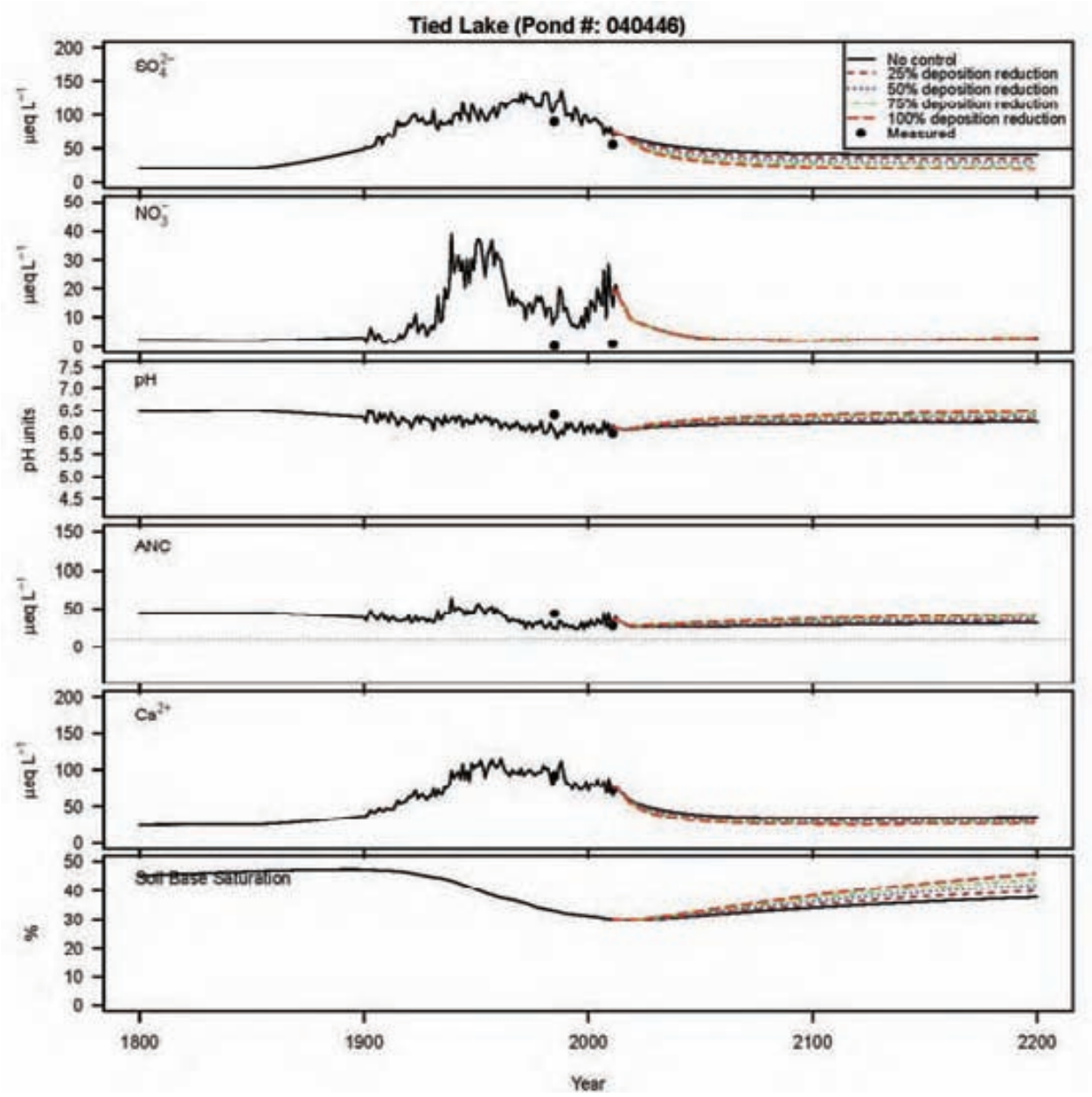

Hitchens Pond (Pond #: 040368)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

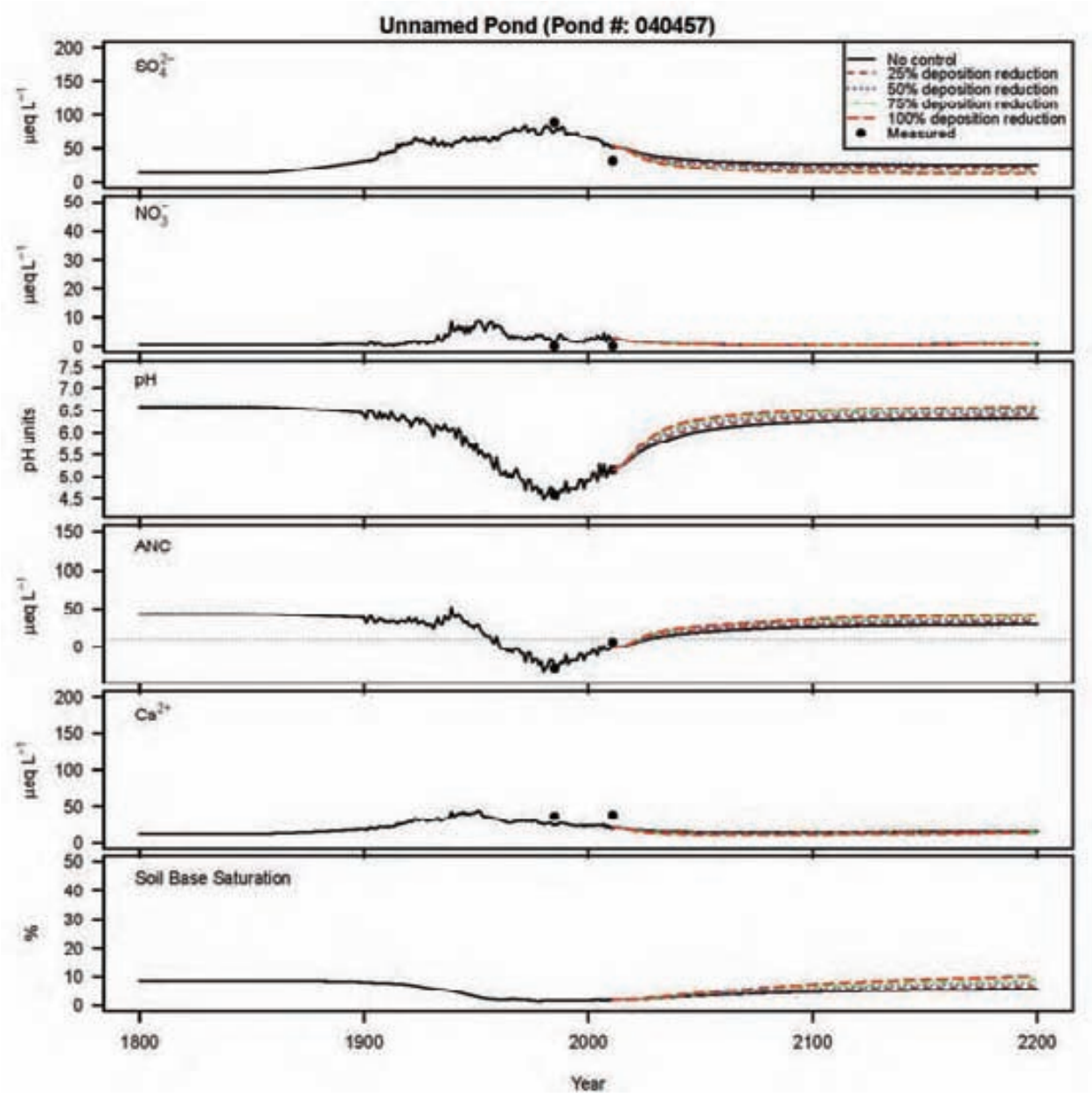

Sand Pond (Pond #: 040436)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹ bard
pH units
%
Year

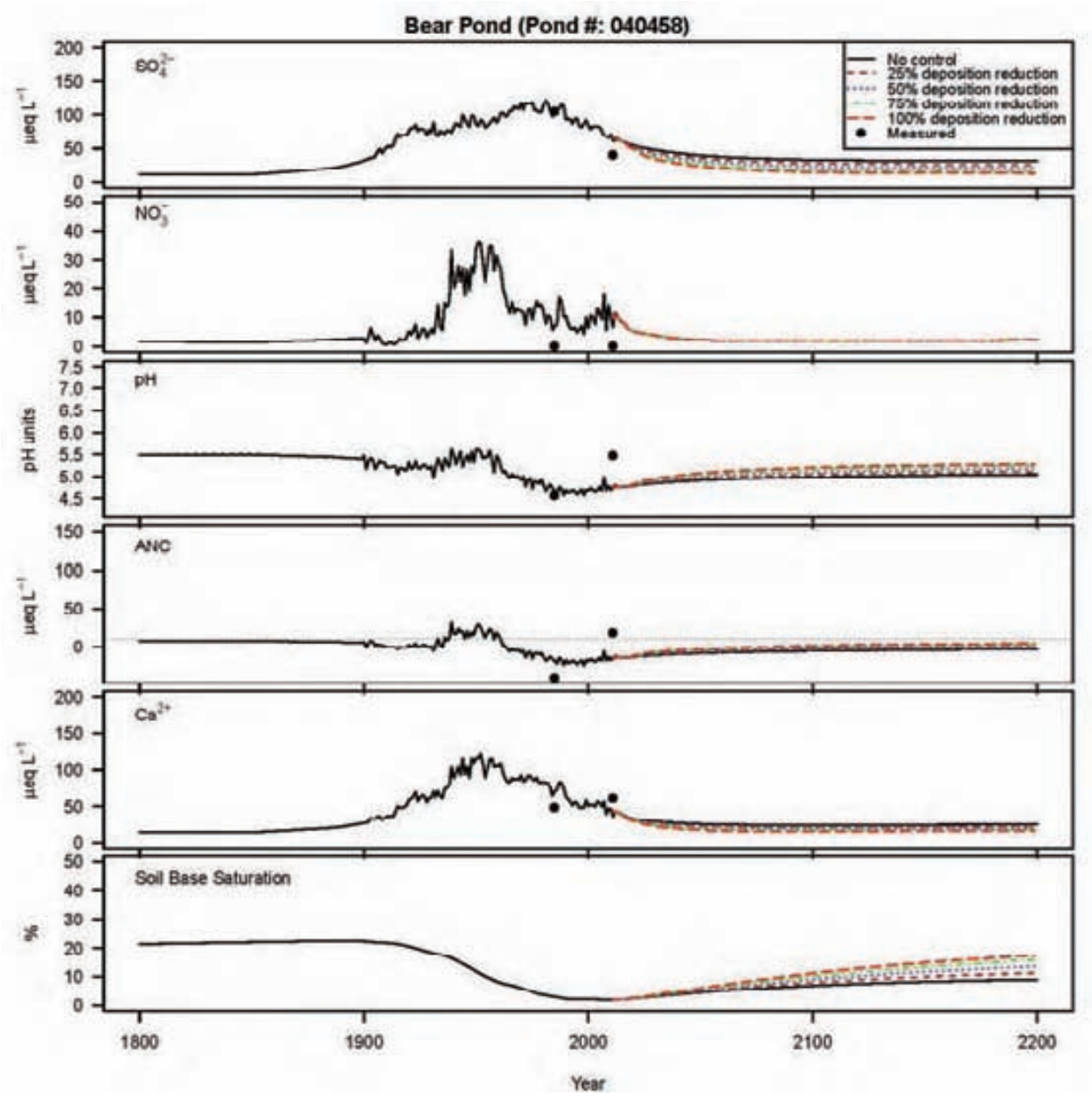

Ikes Pond (Pond #: 040438)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year

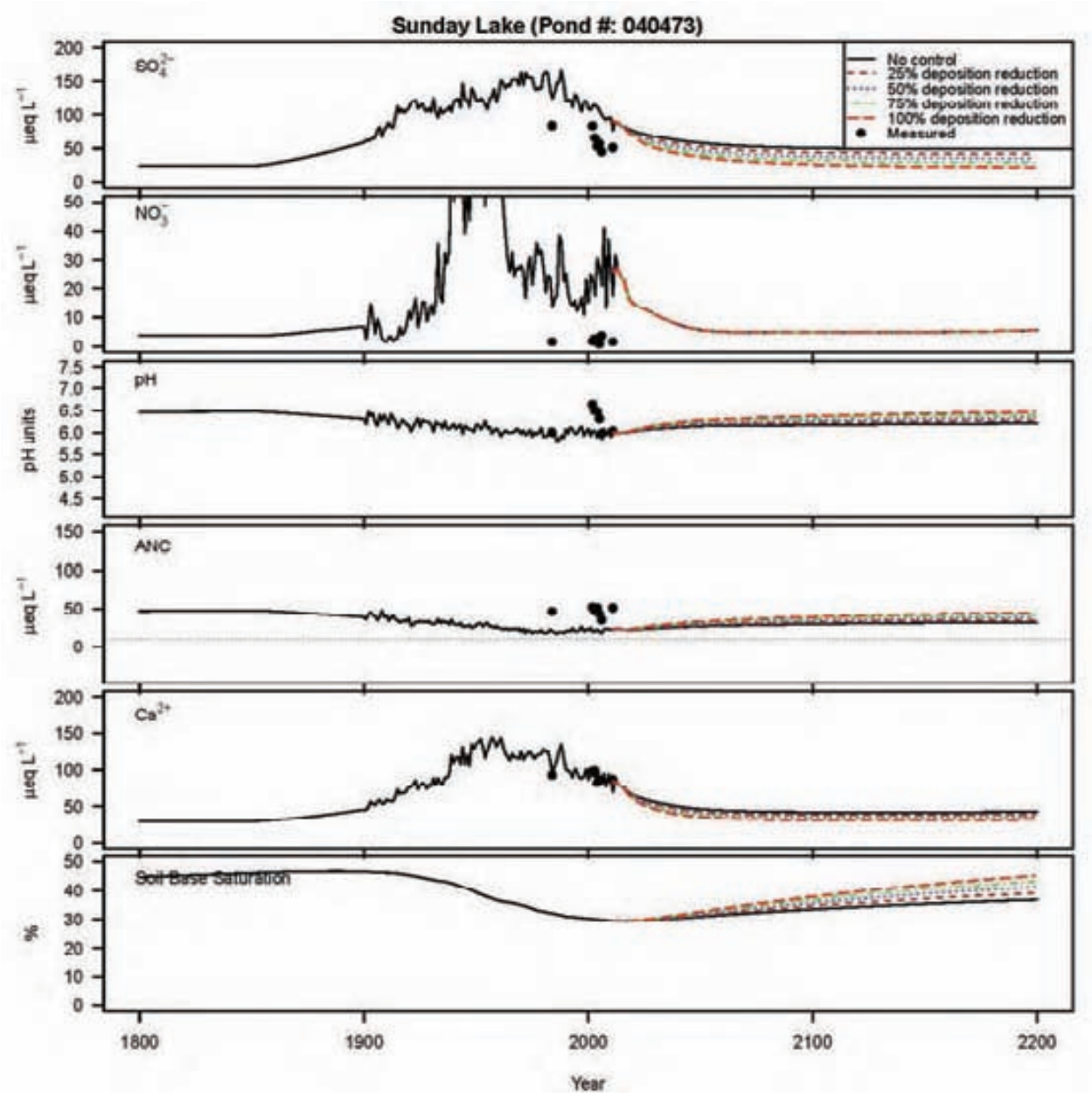

Pepperbox Pond (Pond #: 040443)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

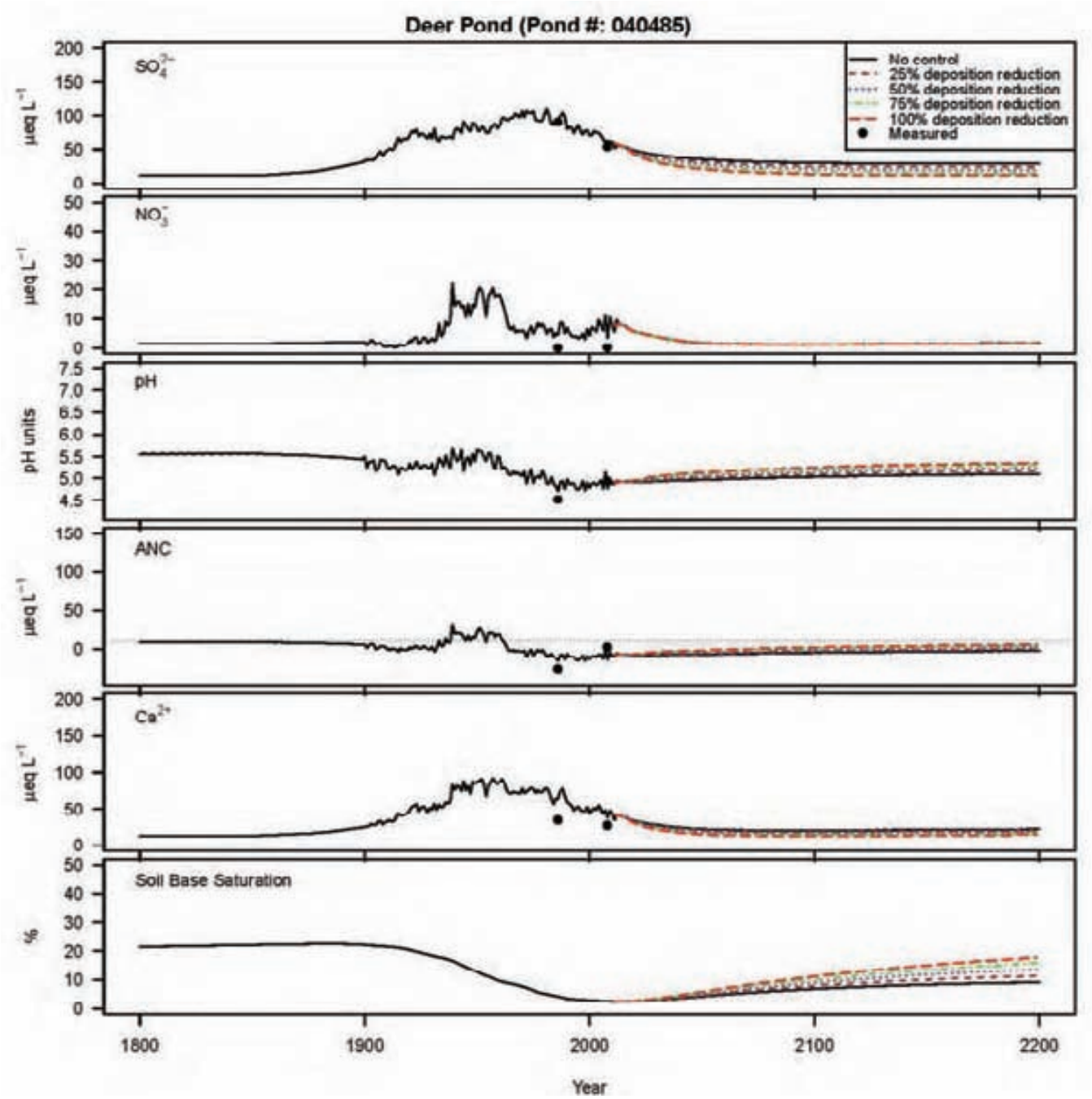

Lower Spring Pond (Pond #: 040444)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year

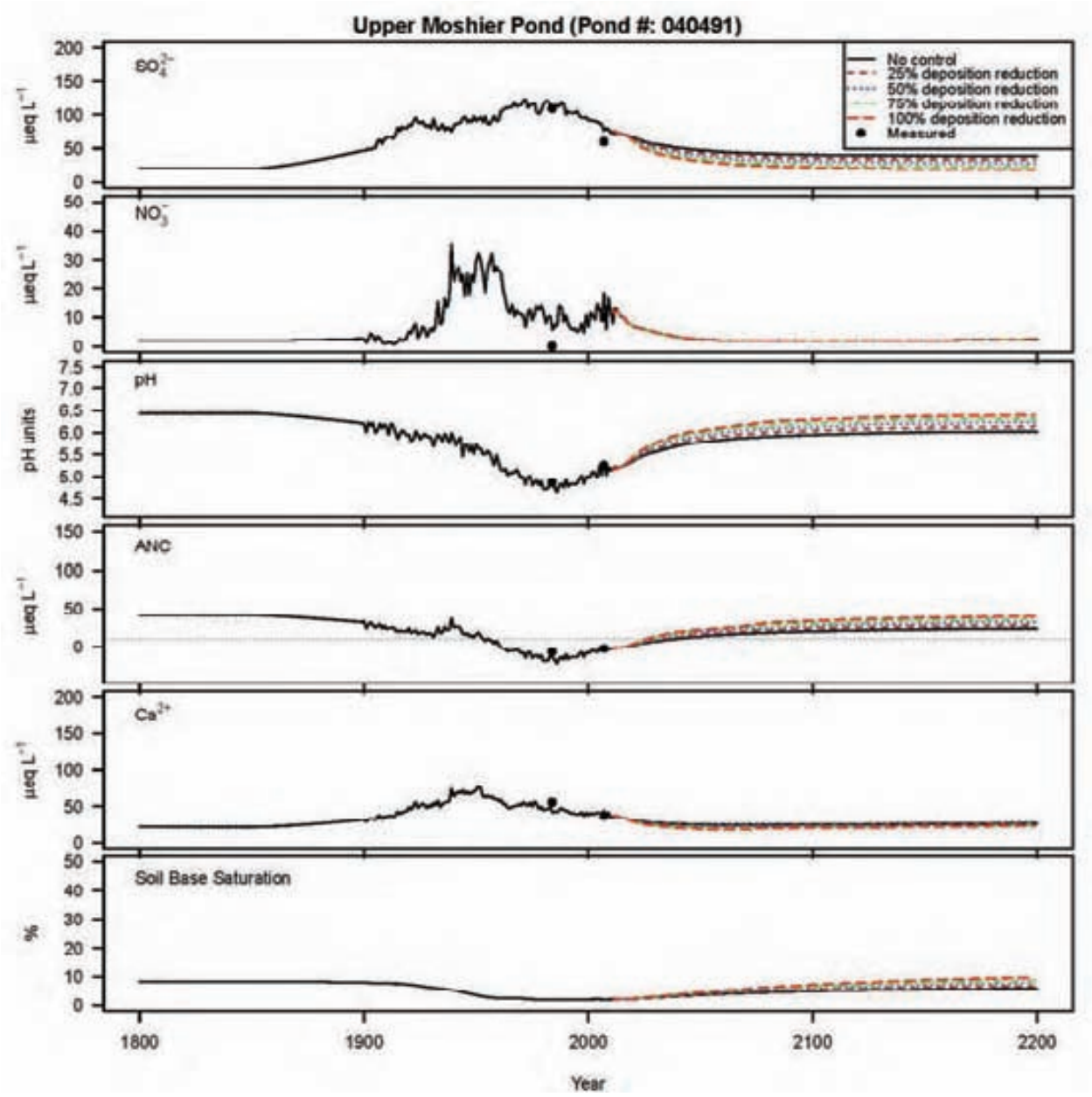

Tied Lake (Pond #: 040446)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year

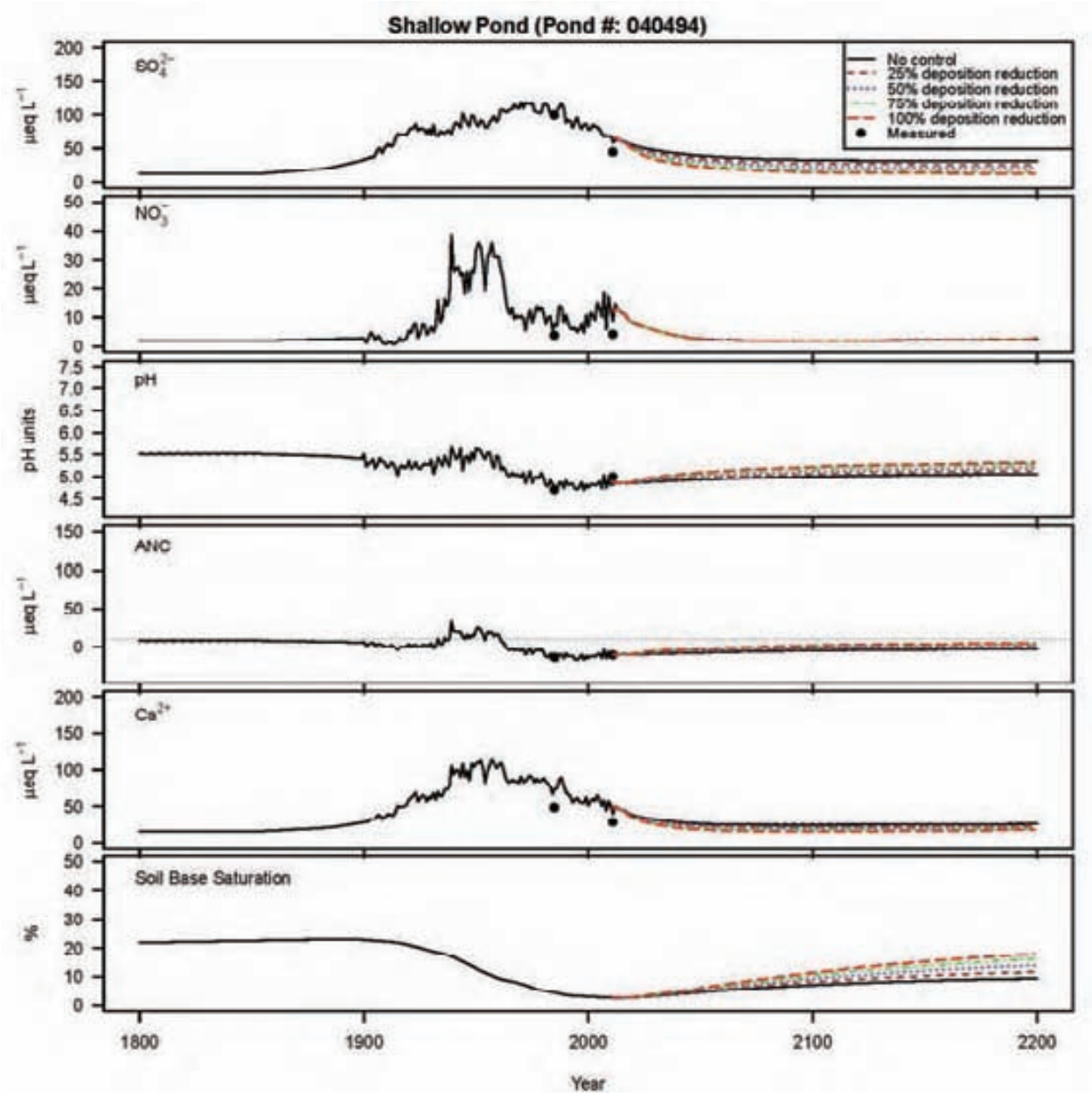

Unnamed Pond (Pond #: 040457)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

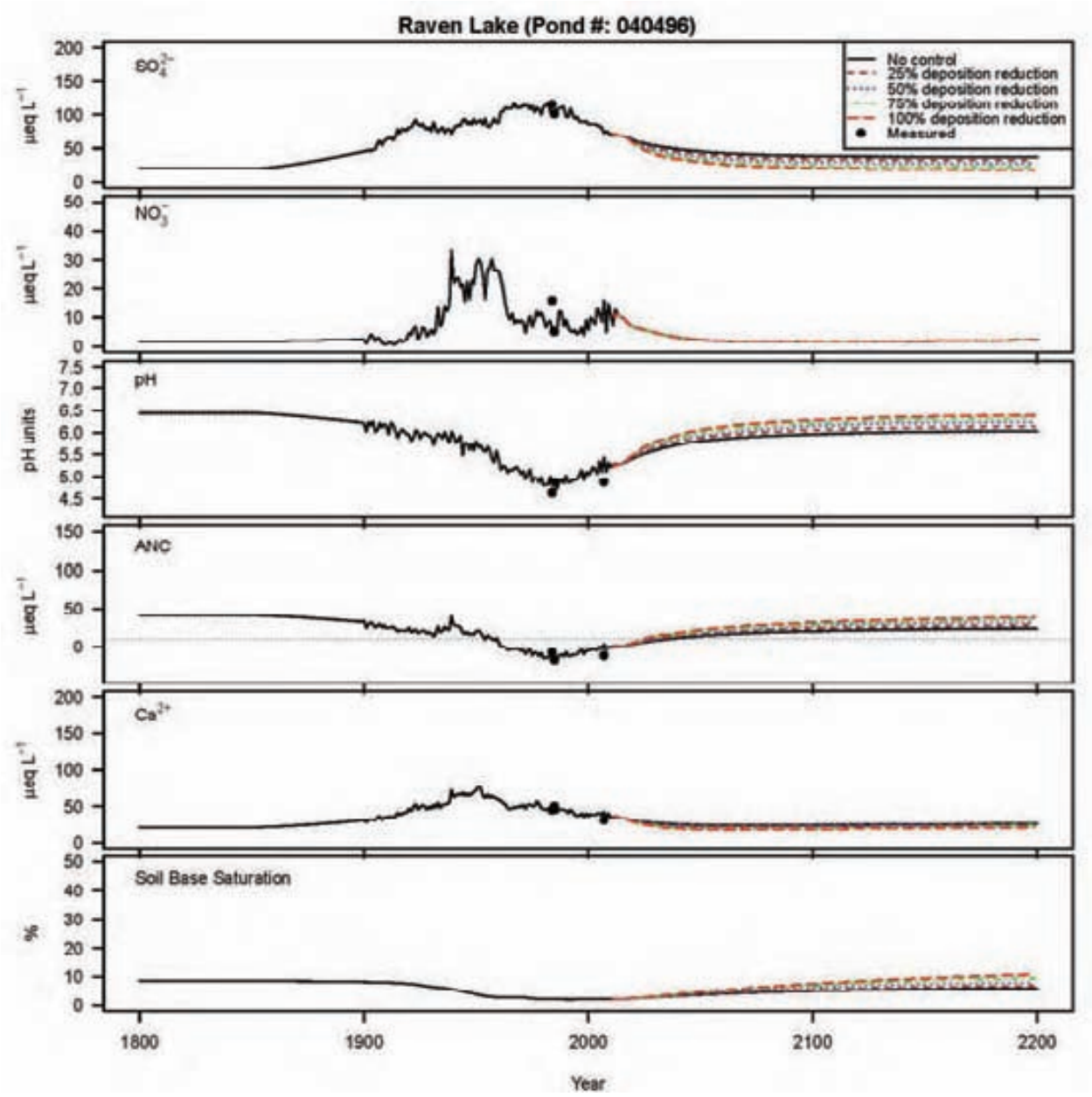

Bear Pond (Pond #: 040458)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

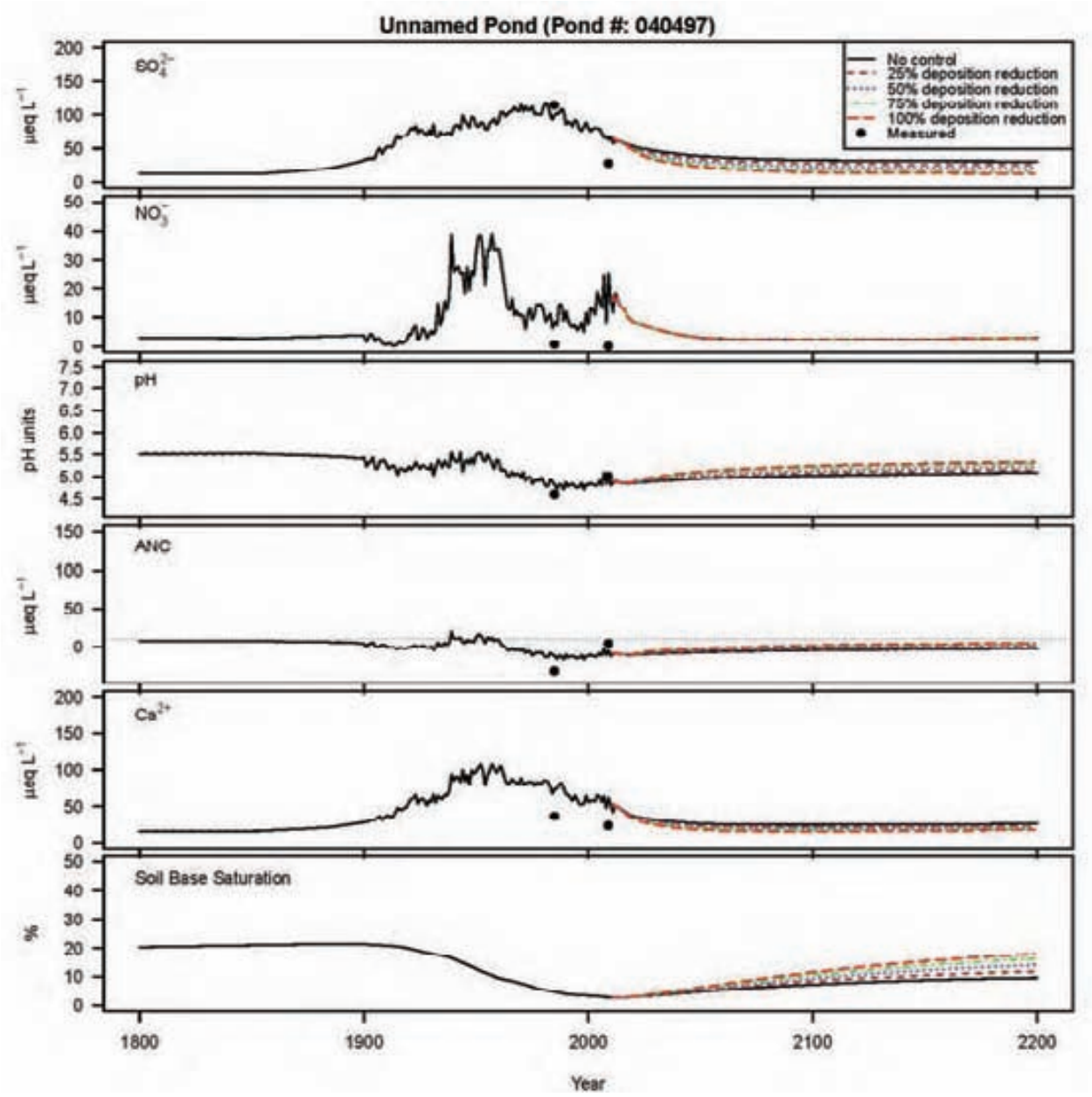

Sunday Lake (Pond #: 040473)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year

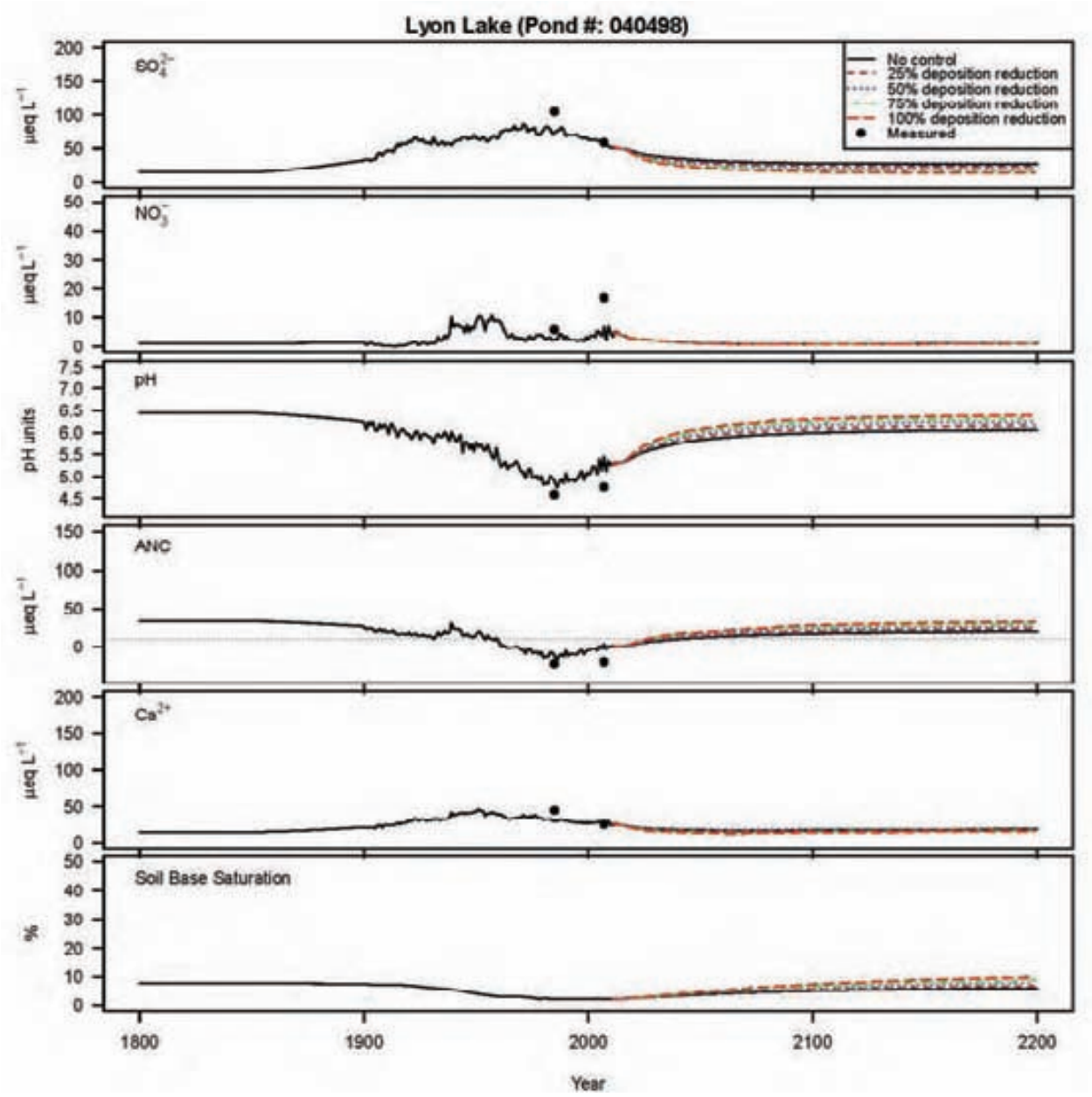

Deer Pond (Pond #: 040485)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

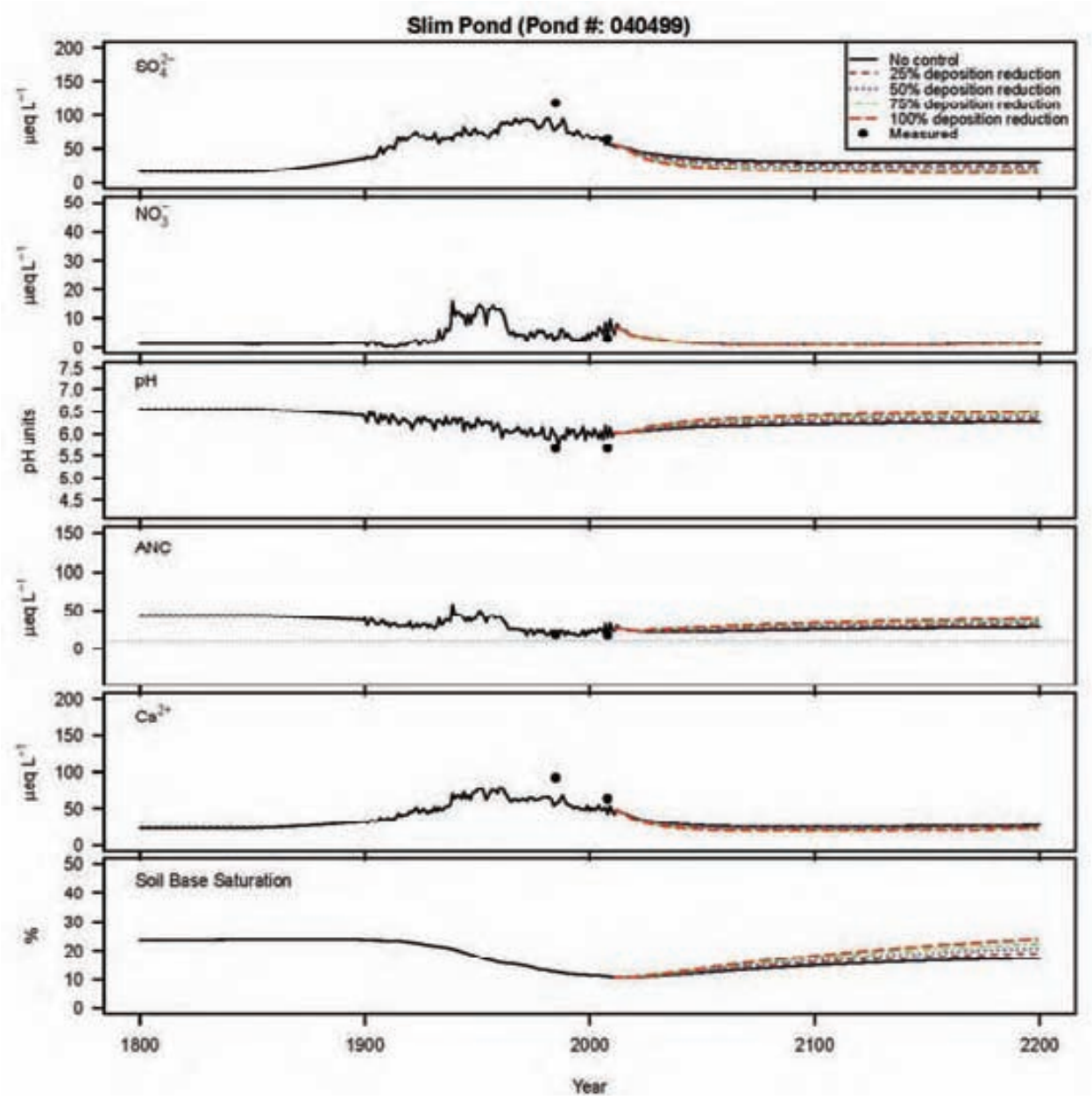

Upper Moshier Pond (Pond #: 040491)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200

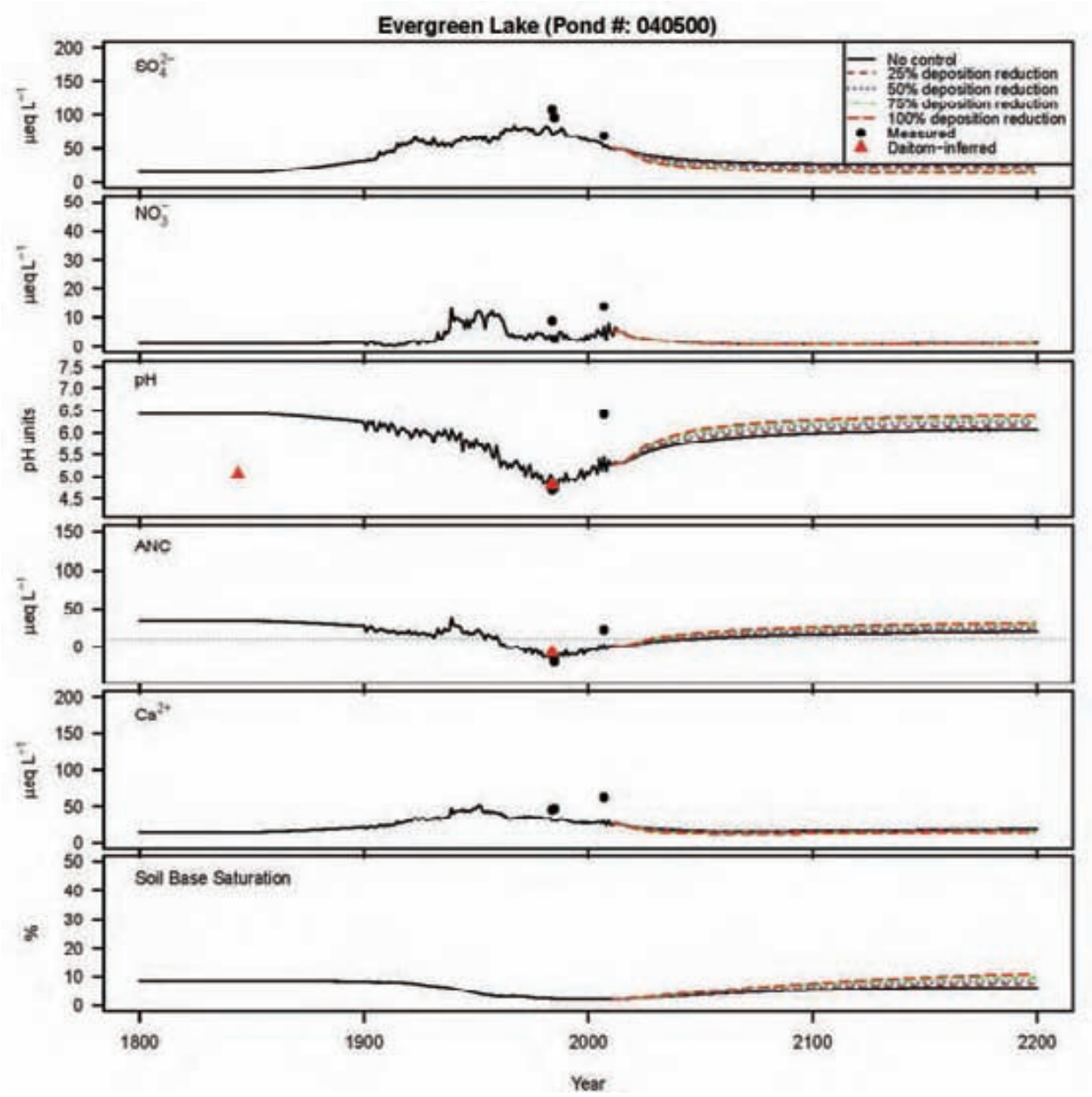

Shallow Pond (Pond #: 040494)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹ bard
pH units
%
Year

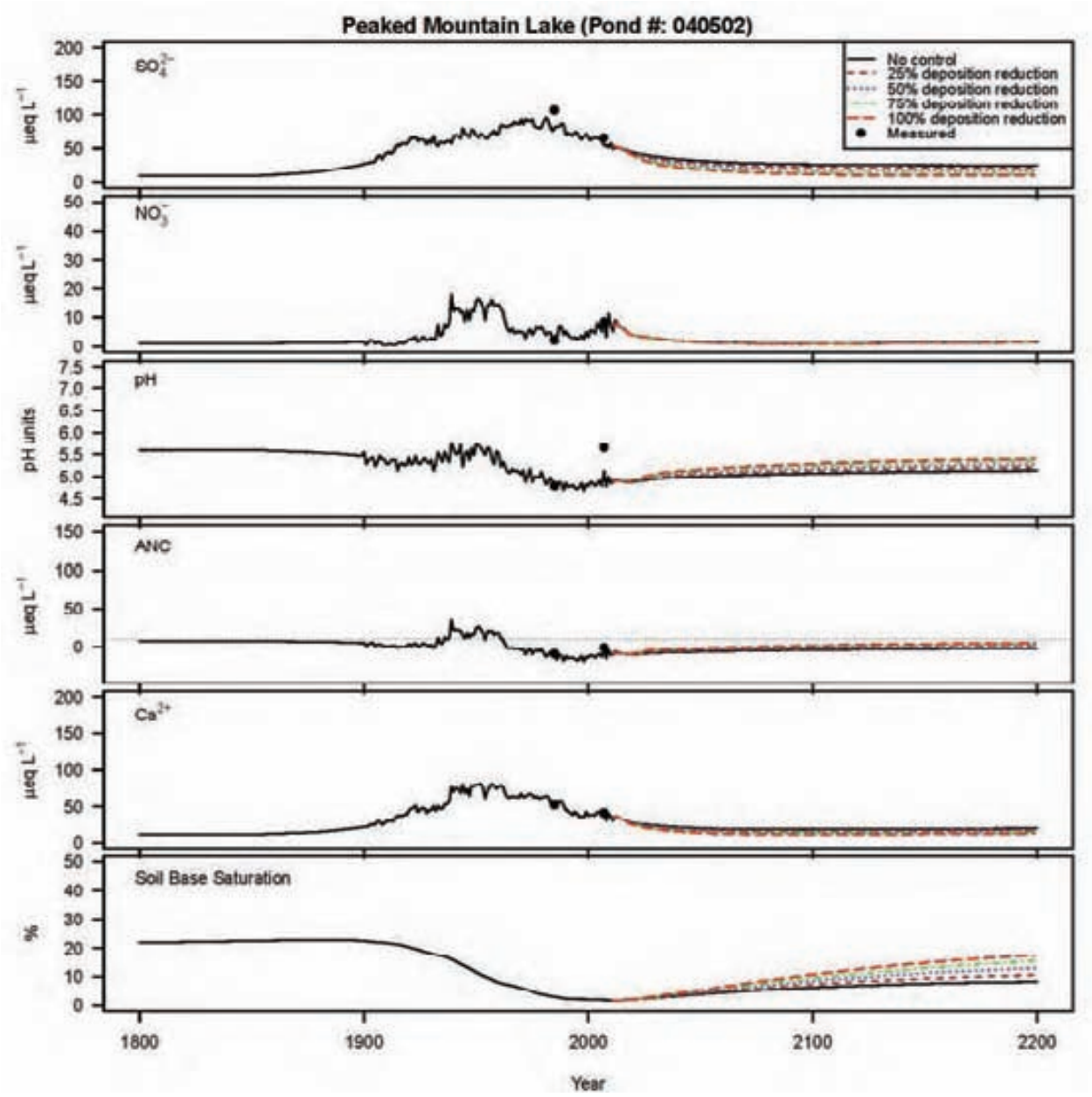

Raven Lake (Pond #: 040496)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

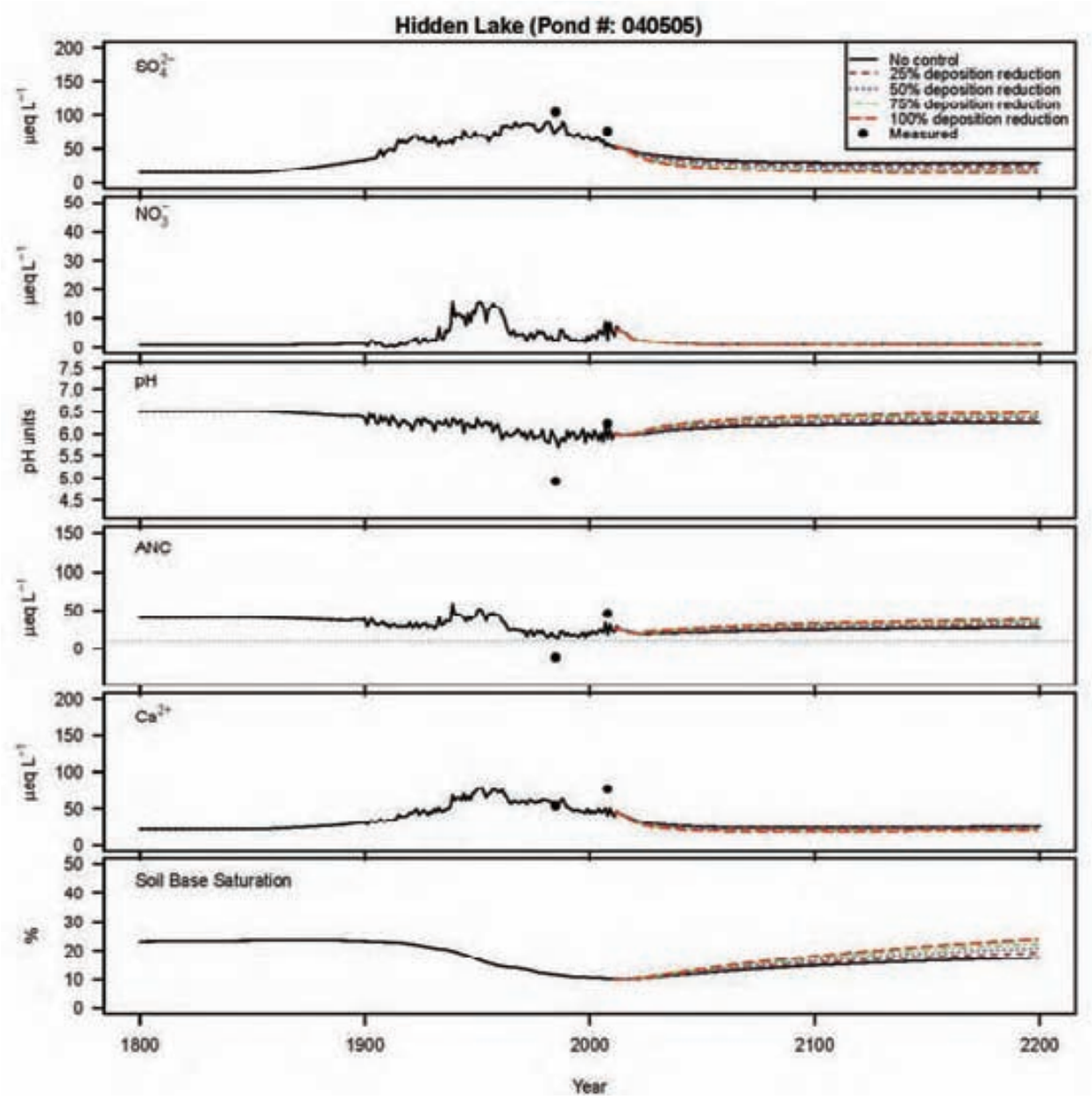

Unnamed Pond (Pond #: 040497)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year

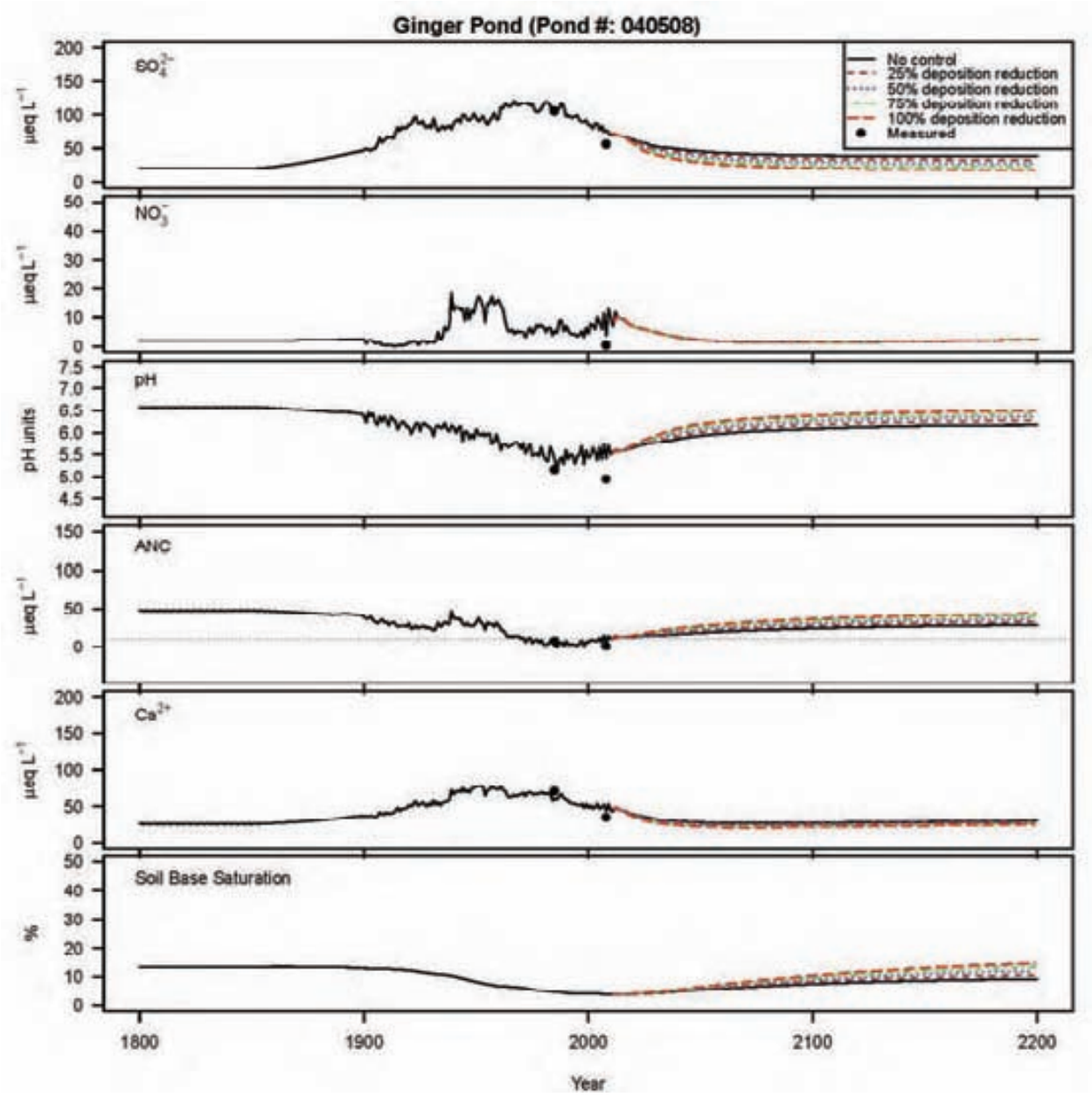

Lyon Lake (Pond #: 040498)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


Slim Pond (Pond #: 040499)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹ bard
pH units
%
Year
1800
1900
2000
2100
2200


Evergreen Lake (Pond #: 040500)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
Diatom-inferred
1800
1900
2000
2100
2200
Year


Peaked Mountain Lake (Pond #: 040502)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Hidden Lake (Pond #: 040505)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Ginger Pond (Pond #: 040508)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
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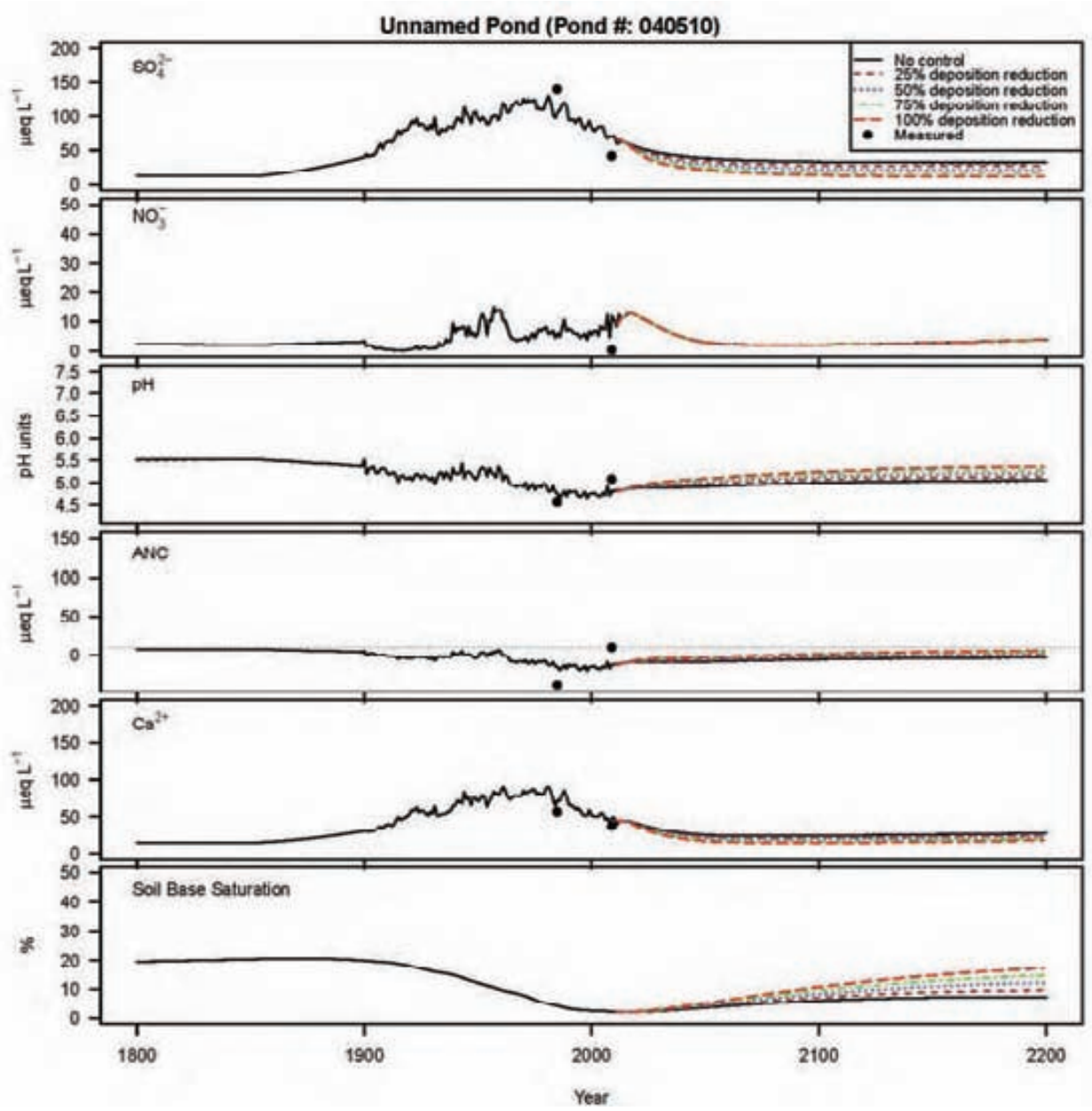
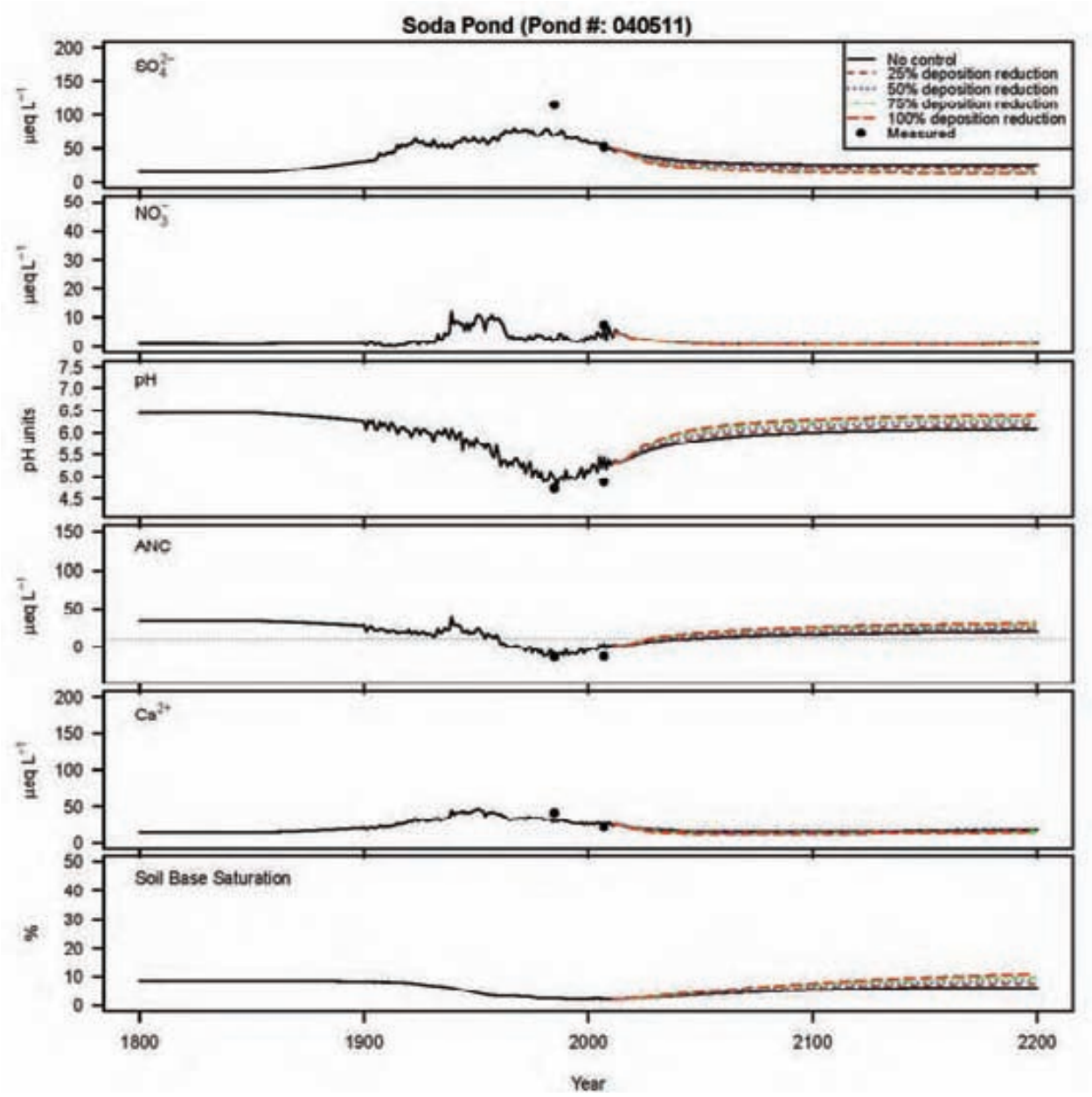
1900
2000
2100
2200


Unnamed Pond (Pond #: 040510)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
1900
2000
2100
2200


Soda Pond (Pond #: 040511)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
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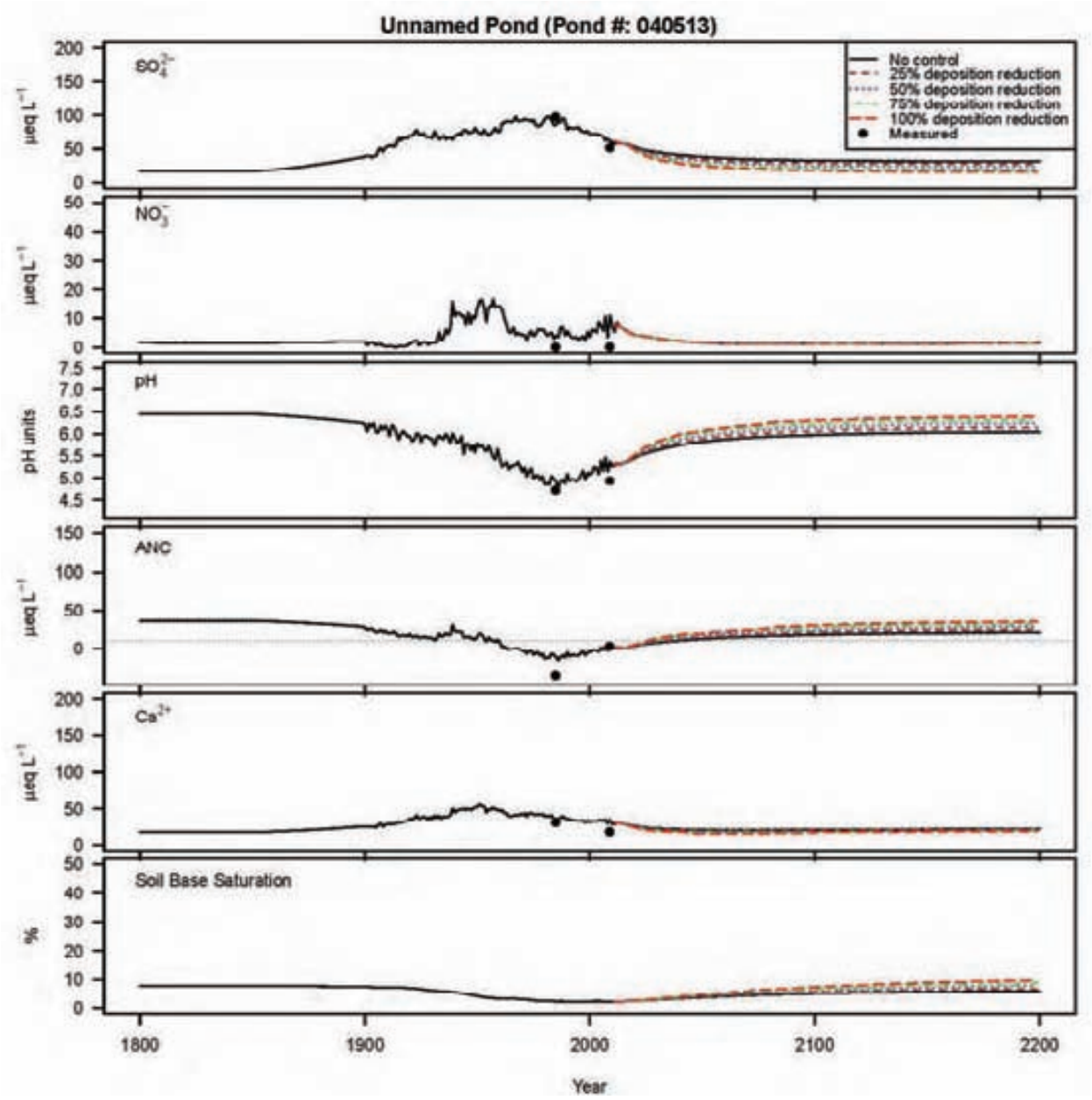
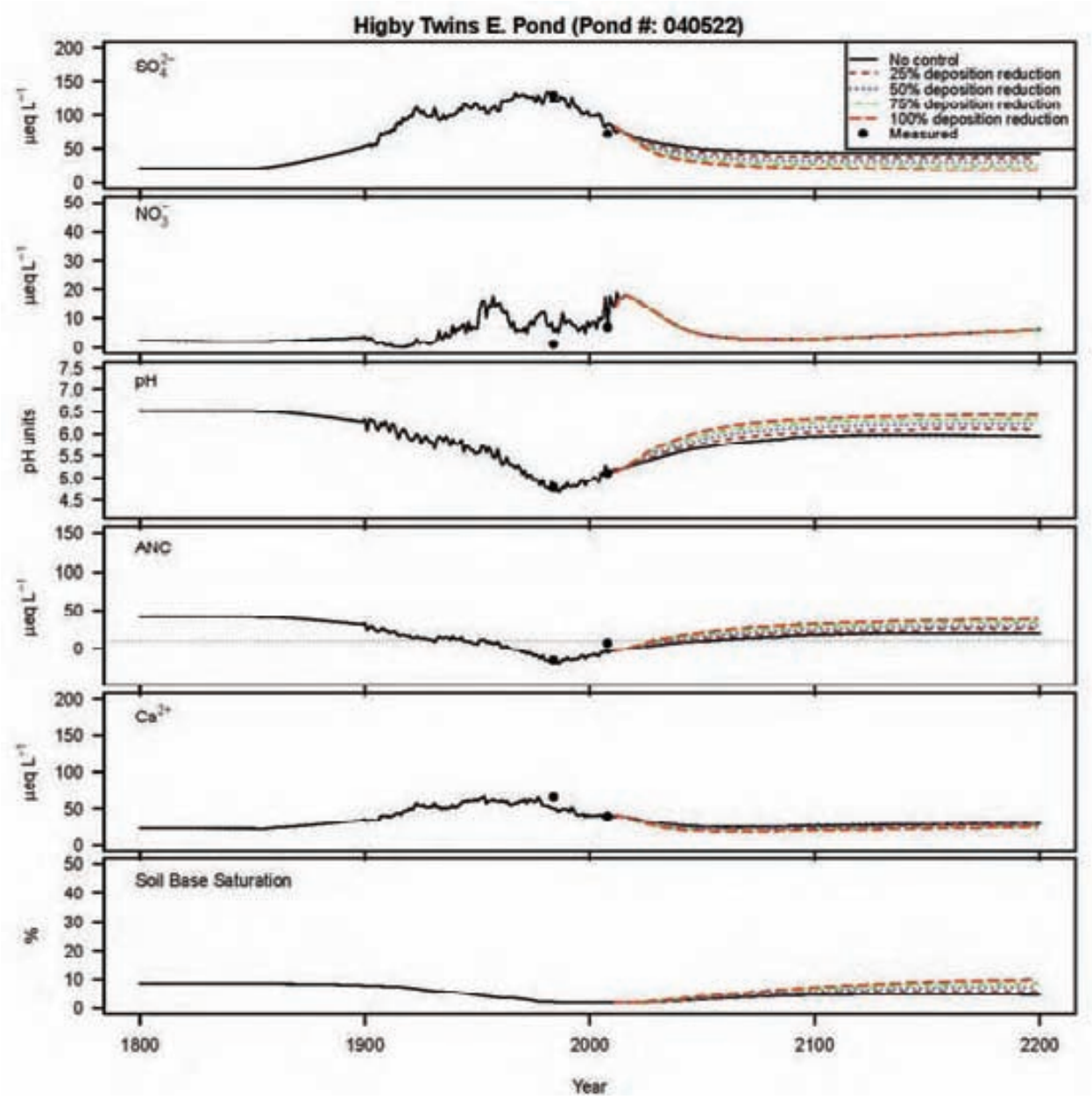
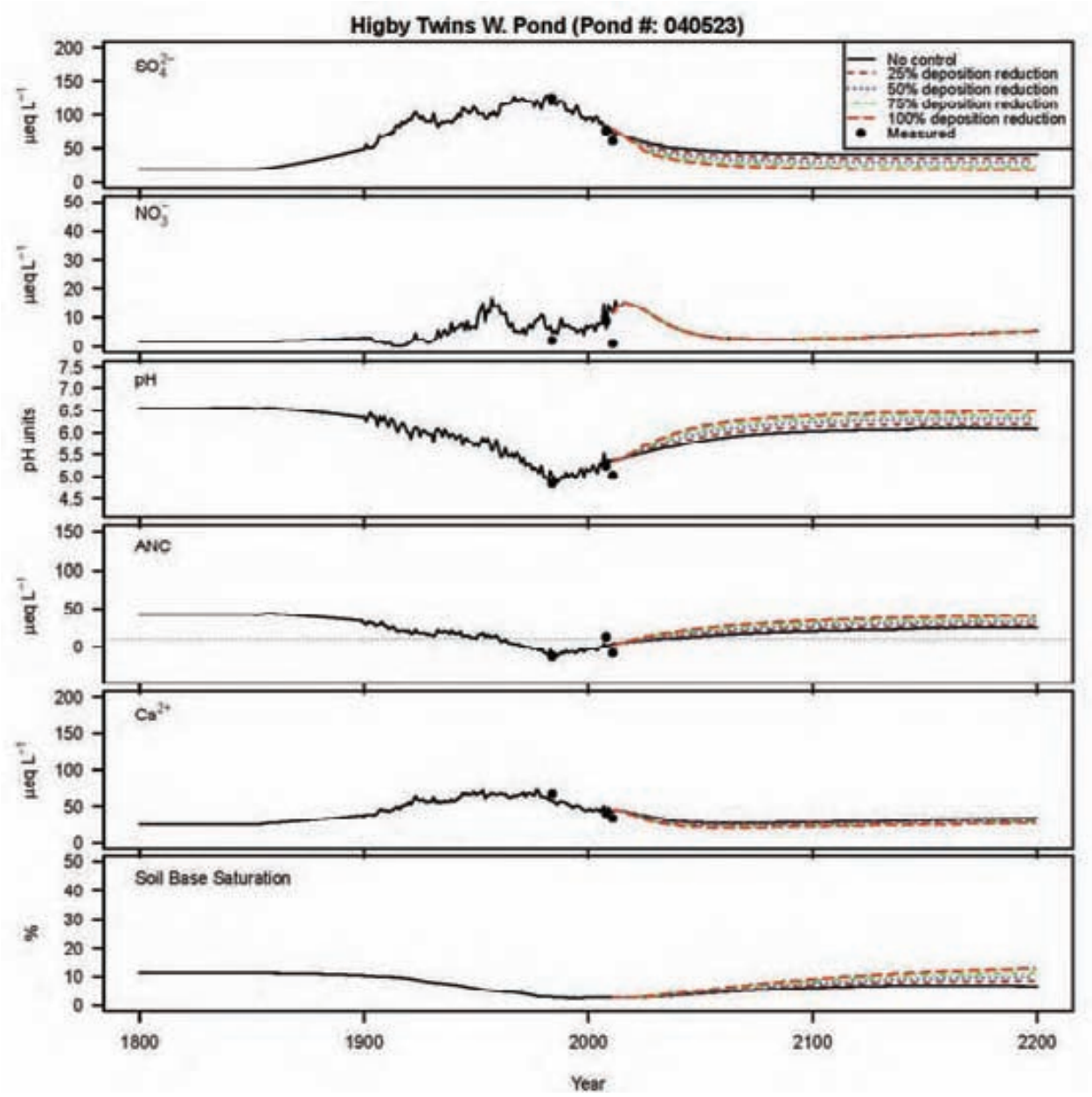
2000
2100
2200


Unnamed Pond (Pond #: 040513)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Higby Twins E. Pond (Pond #: 040522)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


Higby Twins W. Pond (Pond #: 040523)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
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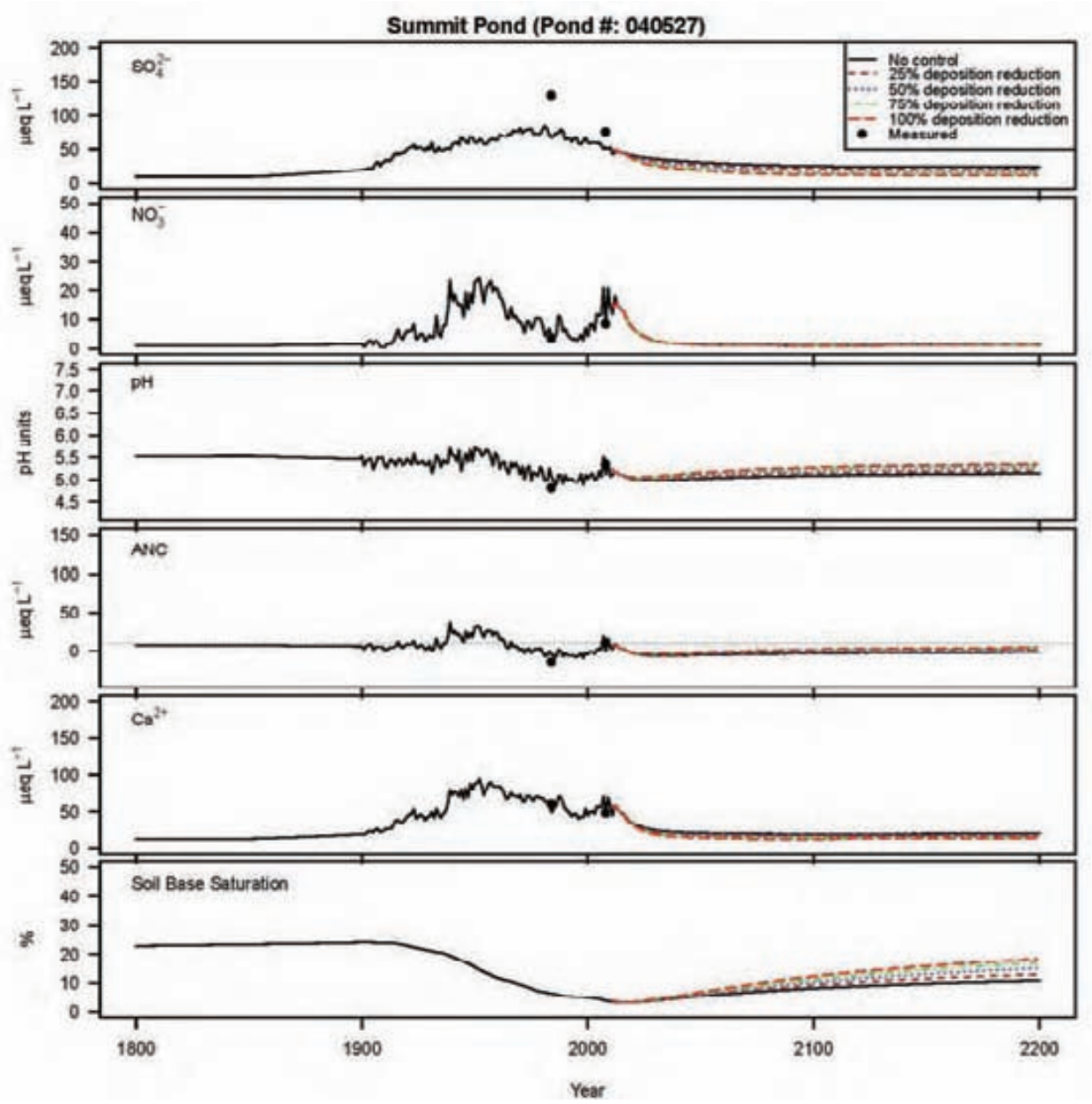
2000
2100
2200
Year


Summit Pond (Pond #: 040527)
SO_4^{2-}
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
NO_3^-
pH
pH units
ANC
Ca^{2+}
Soil Base Saturation
%
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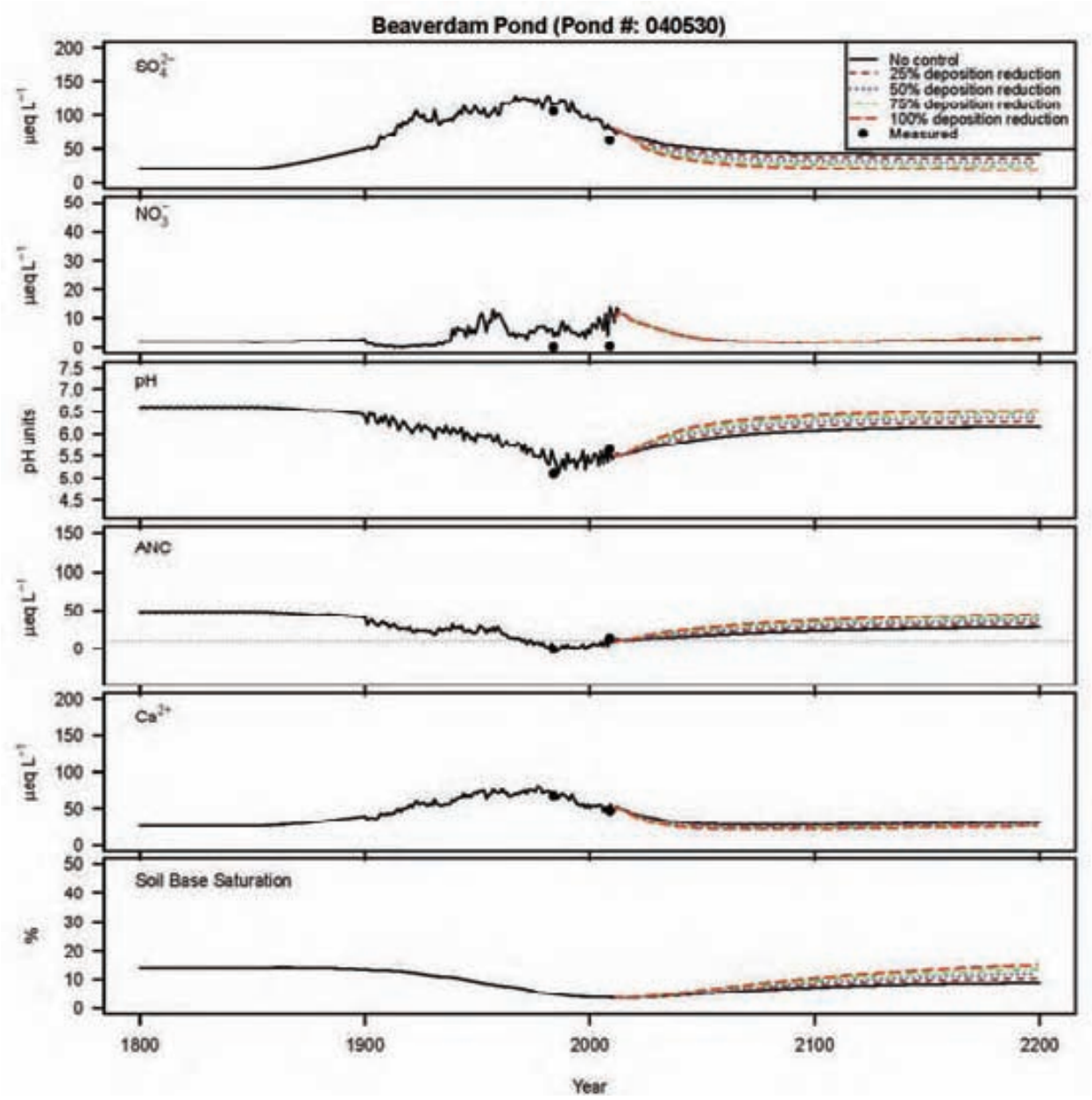
2100
2200
Year


Beaverdam Pond (Pond #: 040530)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
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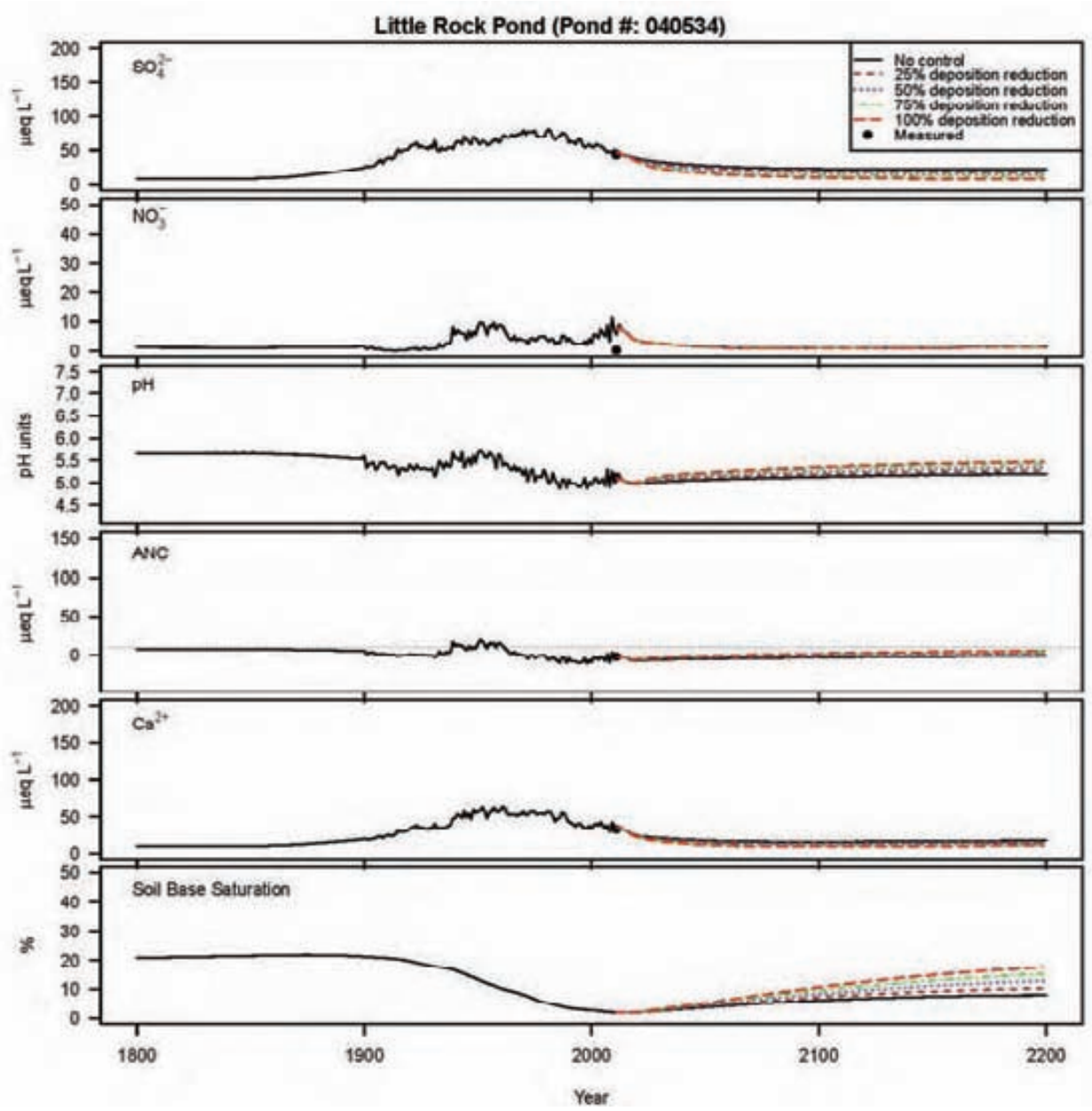
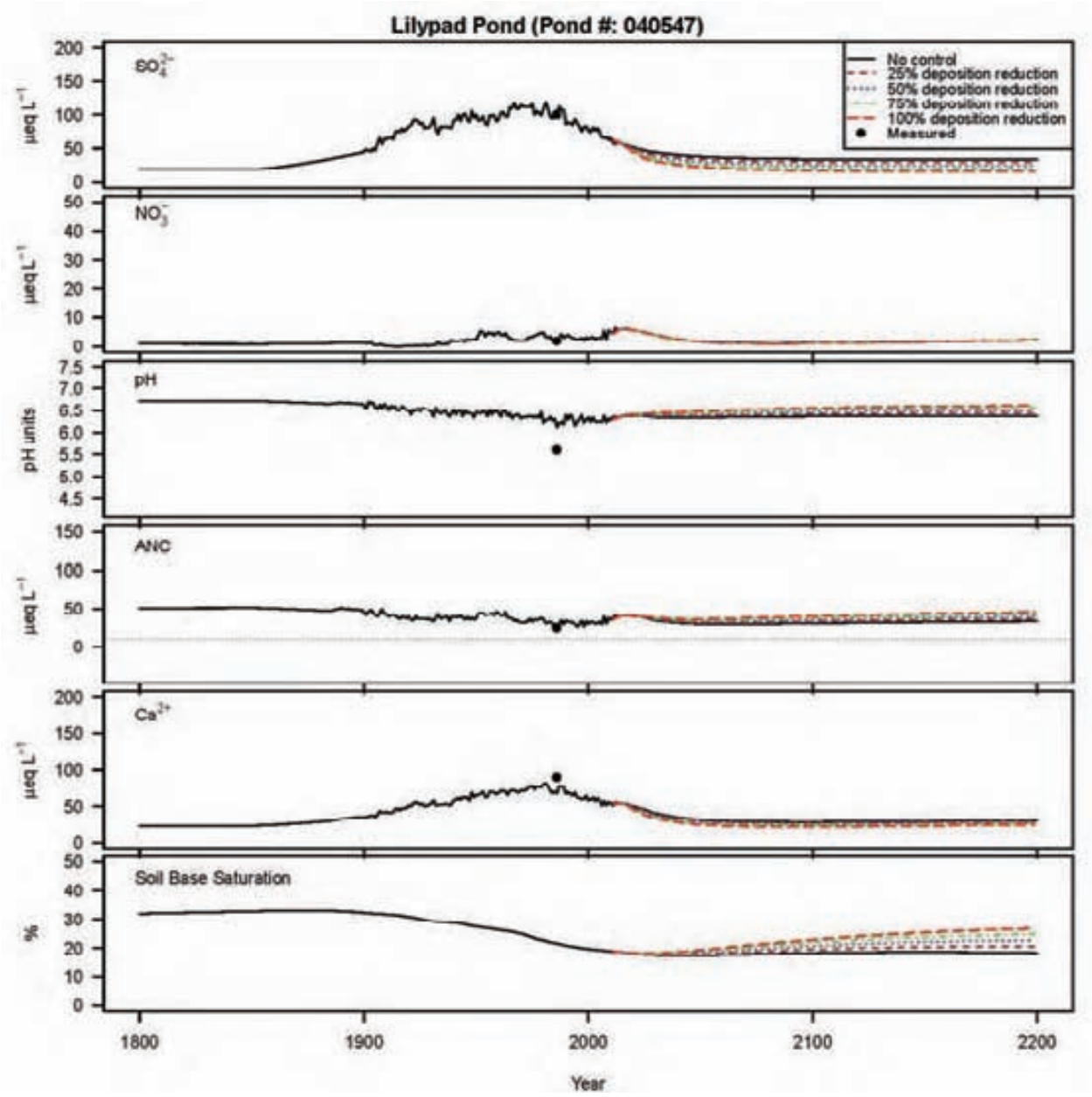
2200


Little Rock Pond (Pond #: 040534)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


Lilypad Pond (Pond #: 040547)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year
1800
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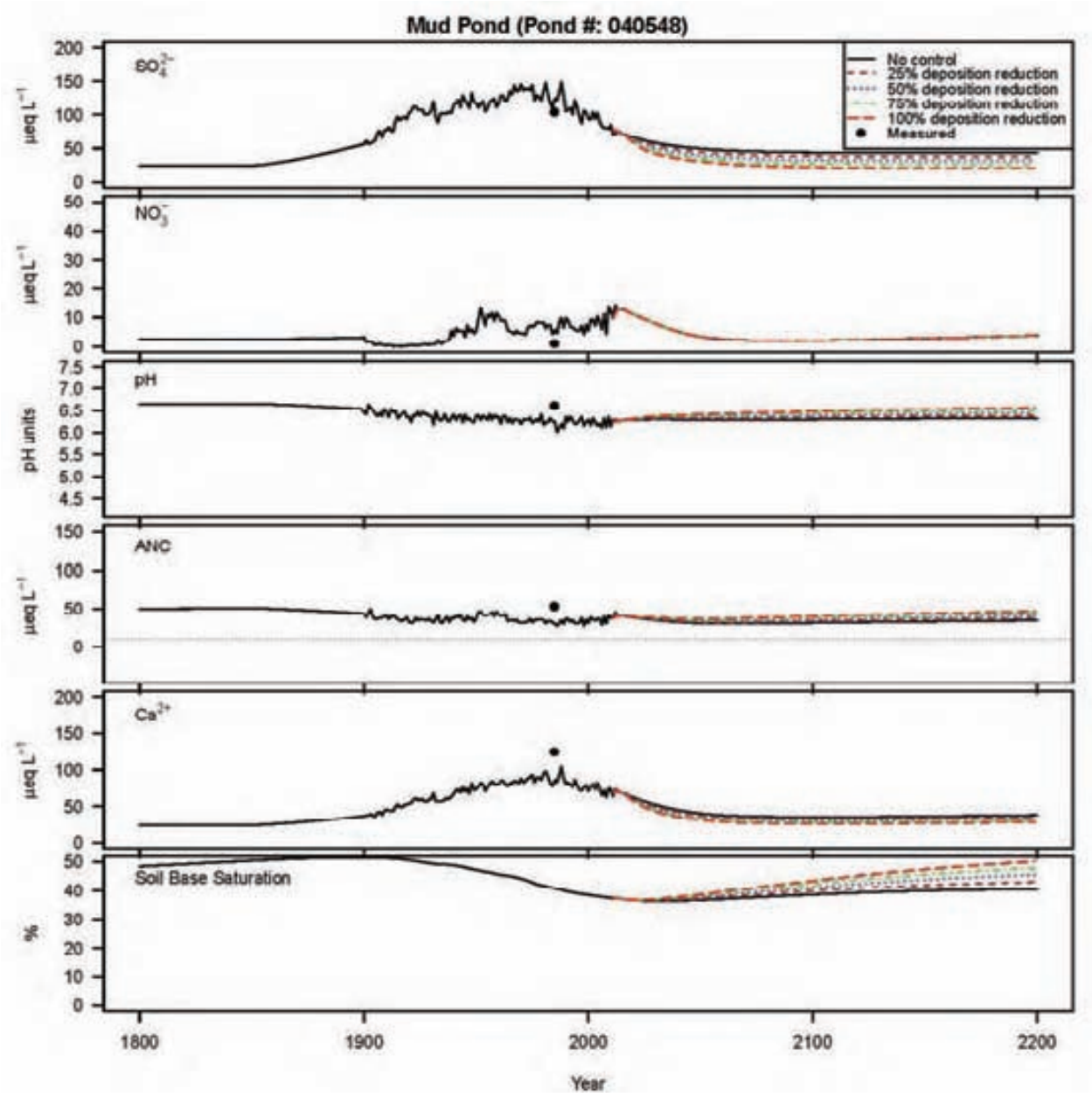
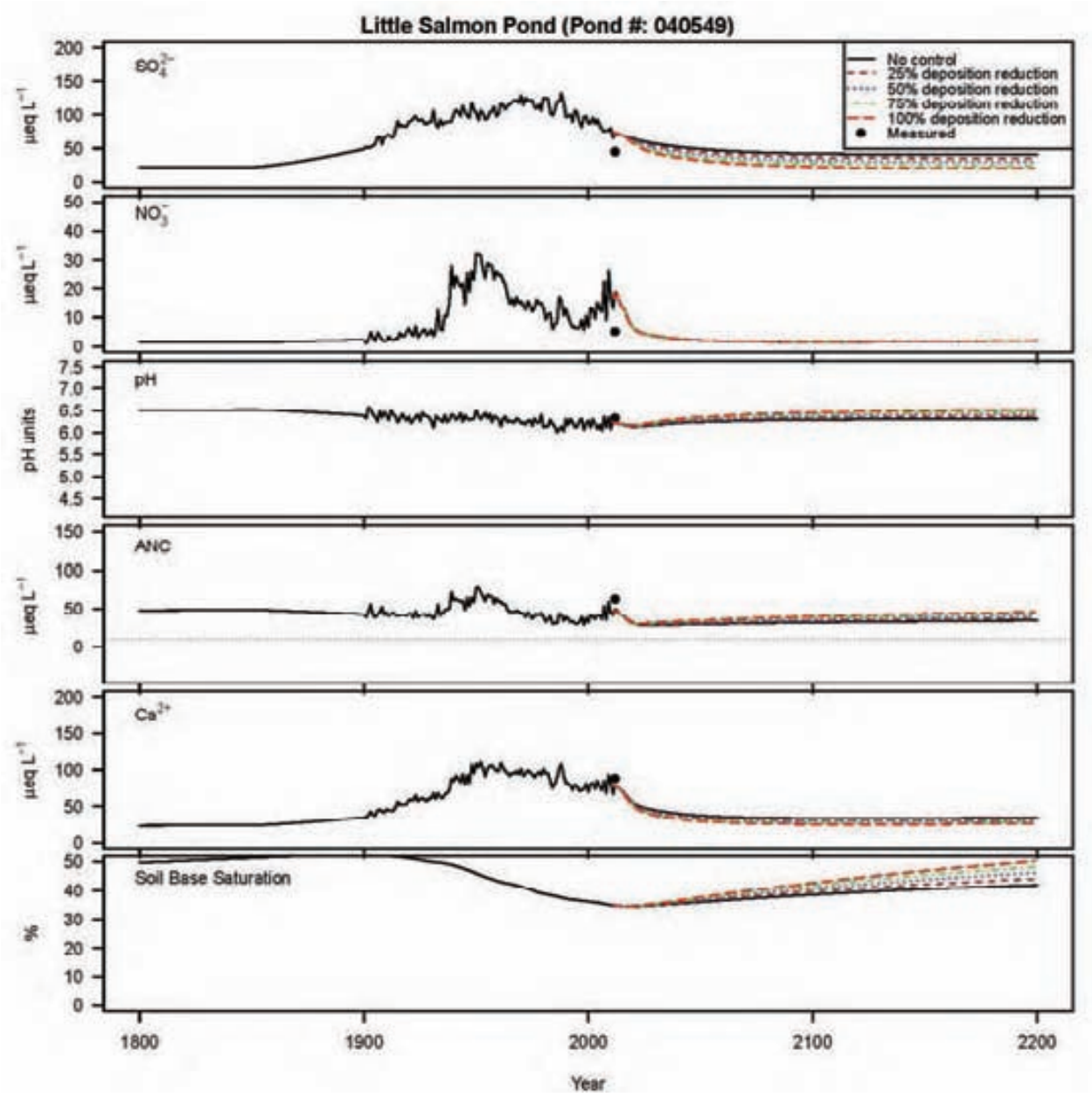
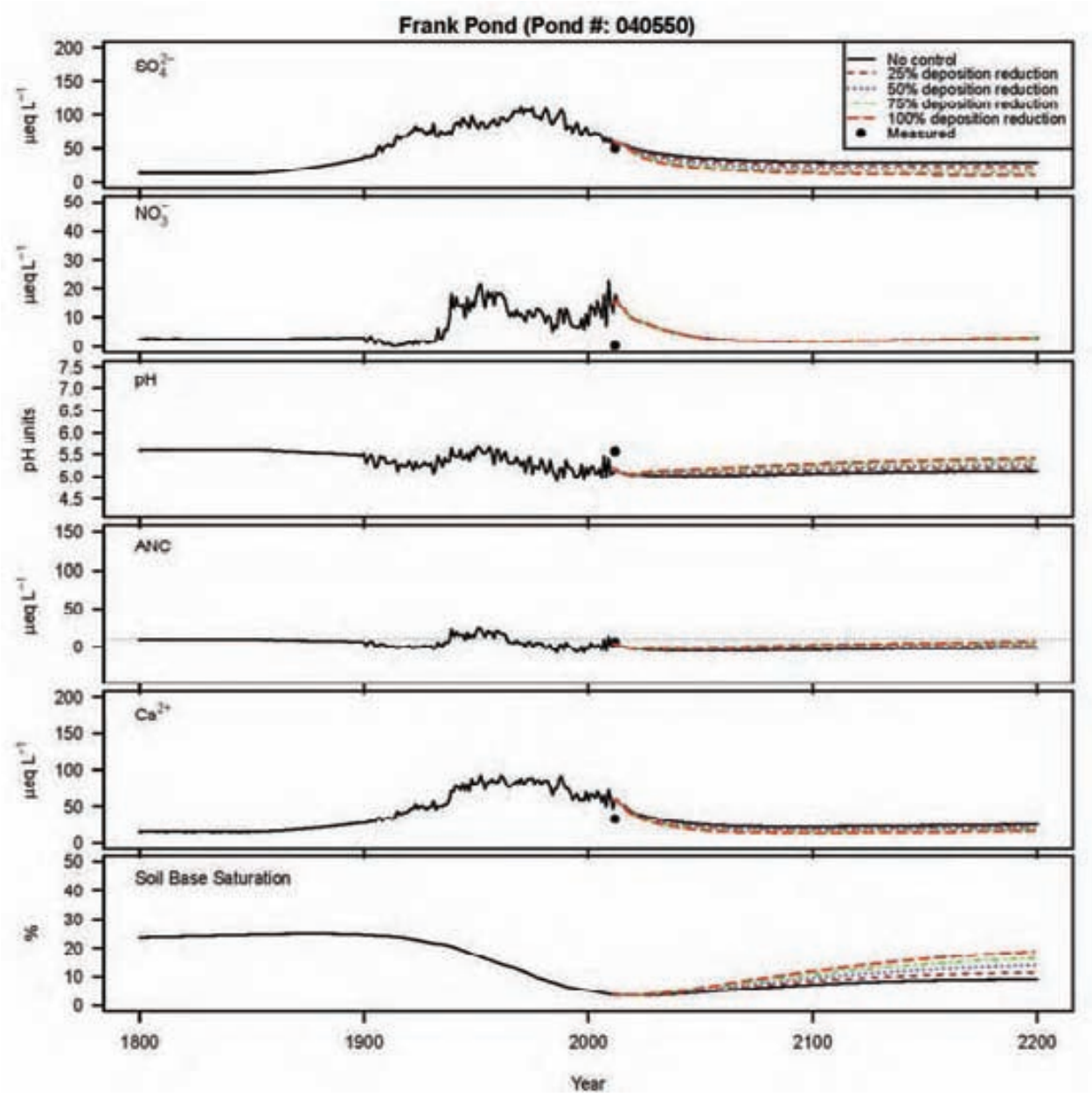
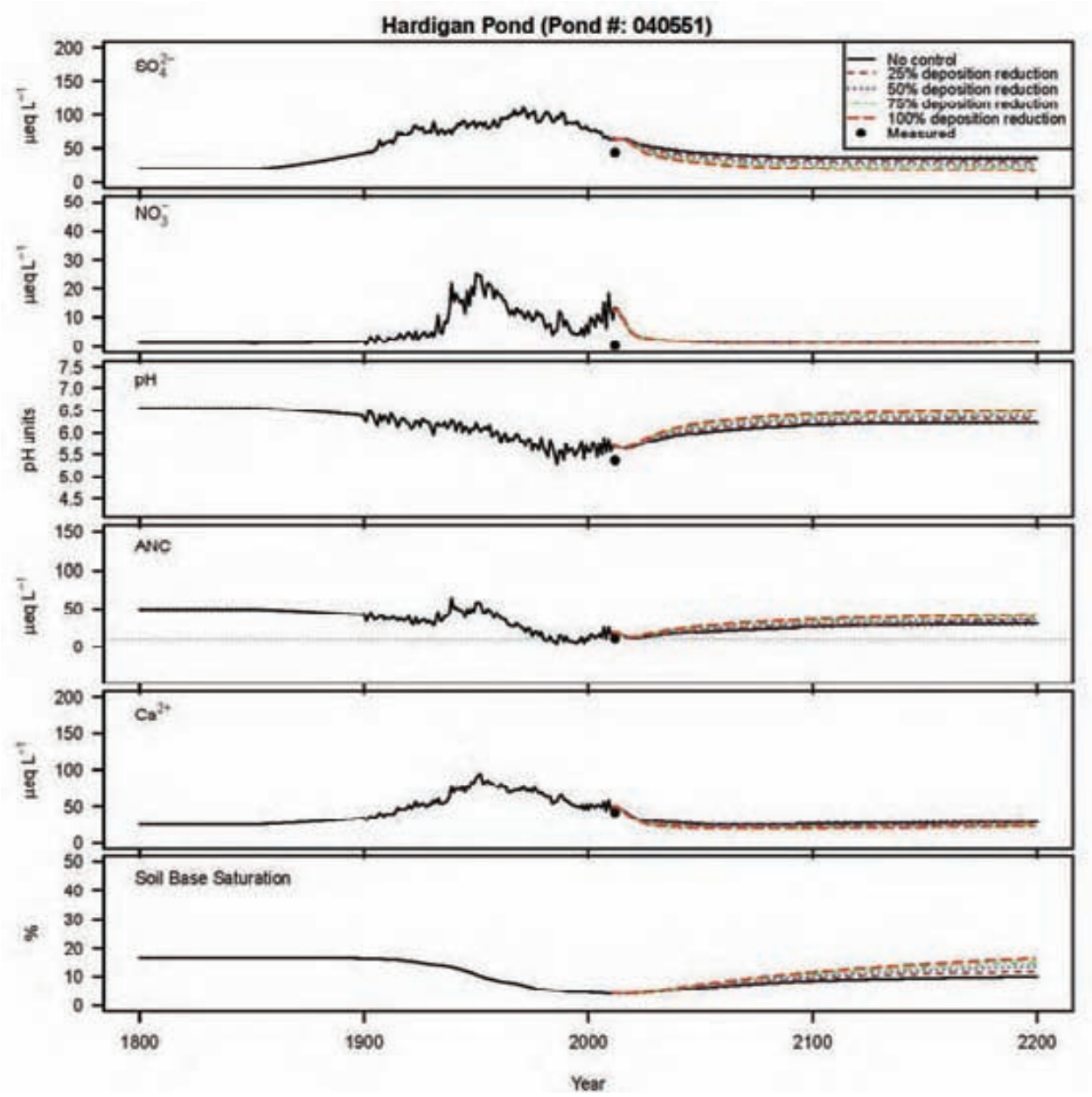
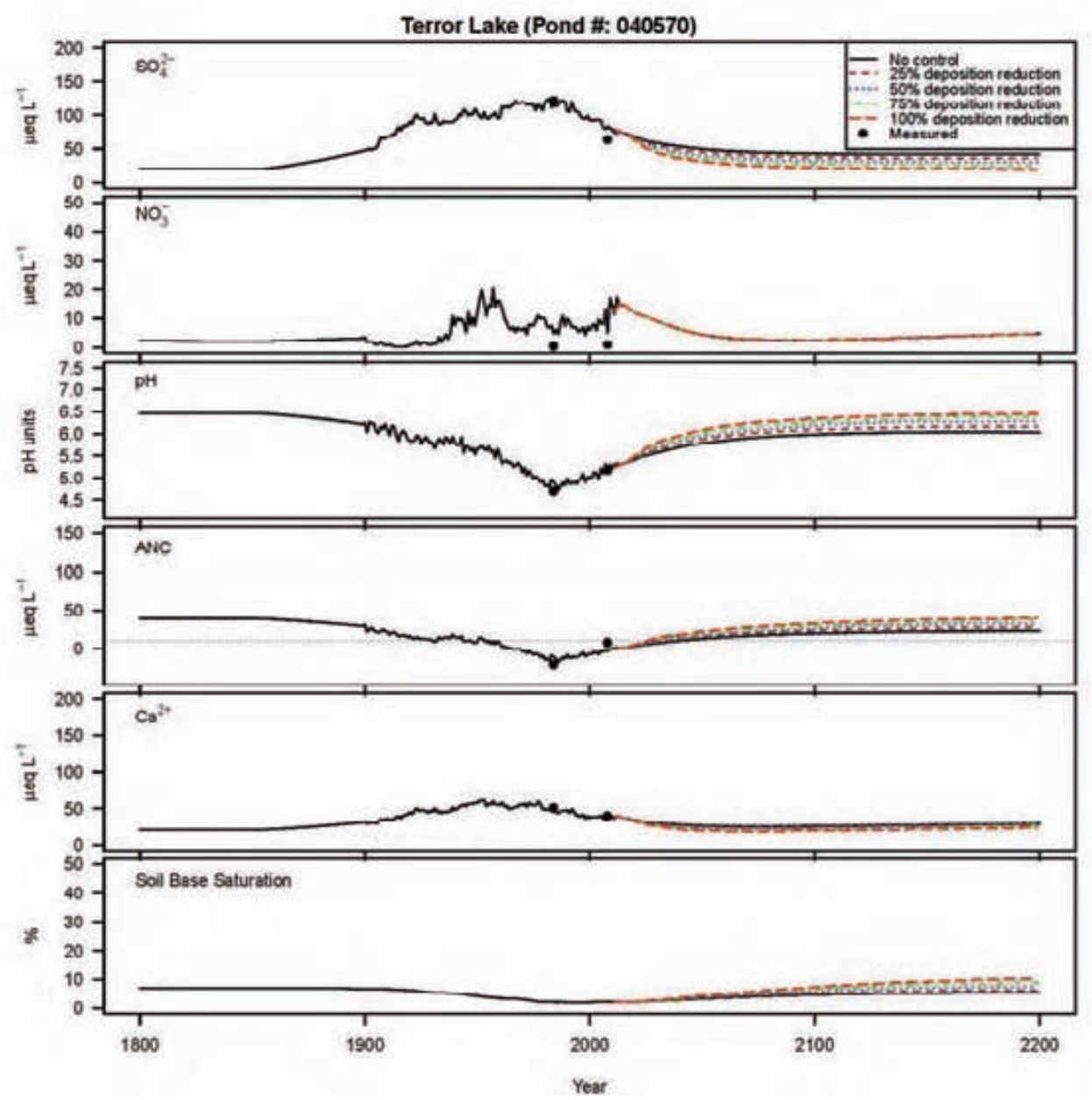
2200

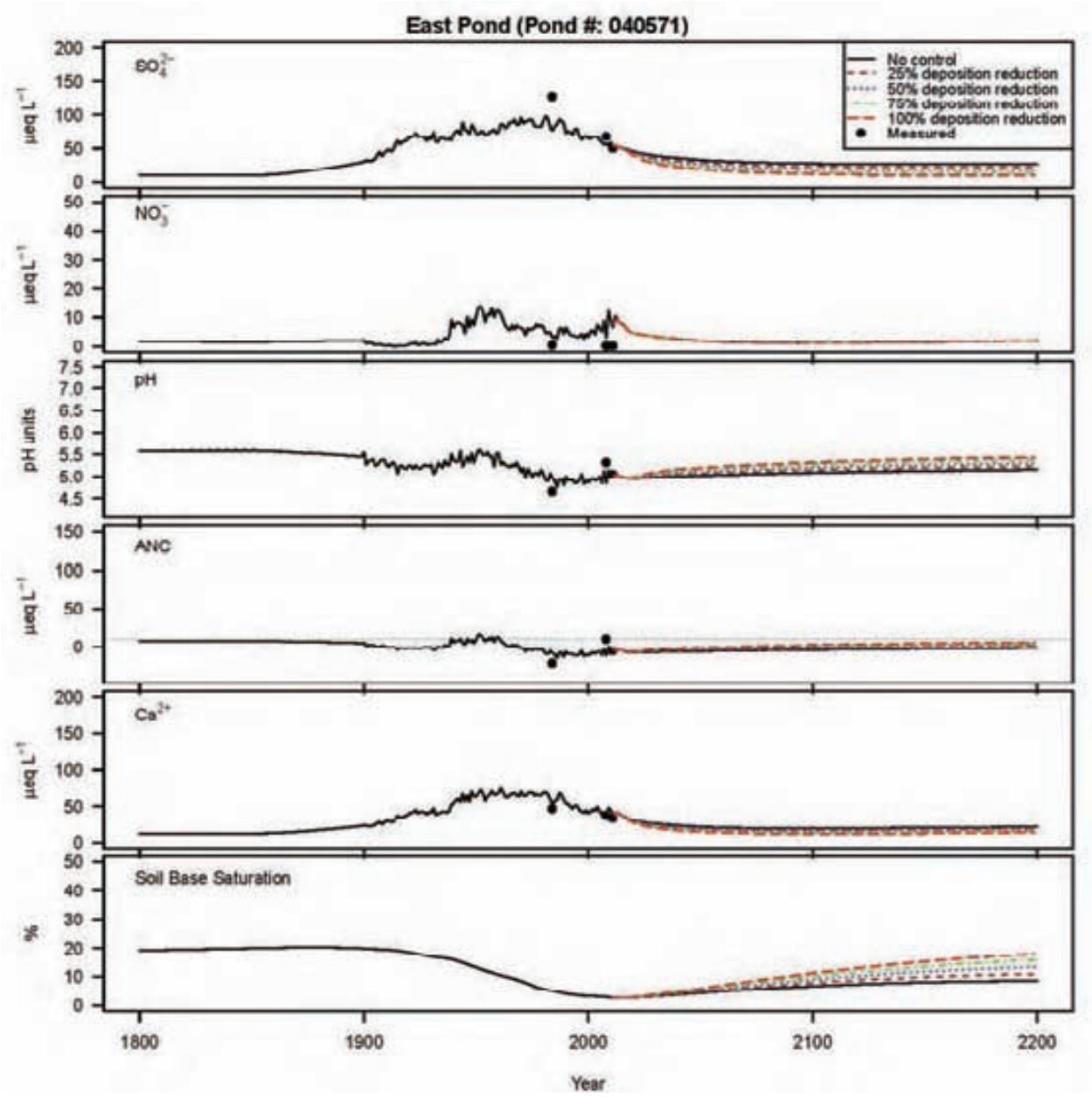

Mud Pond (Pond #: 040548)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year

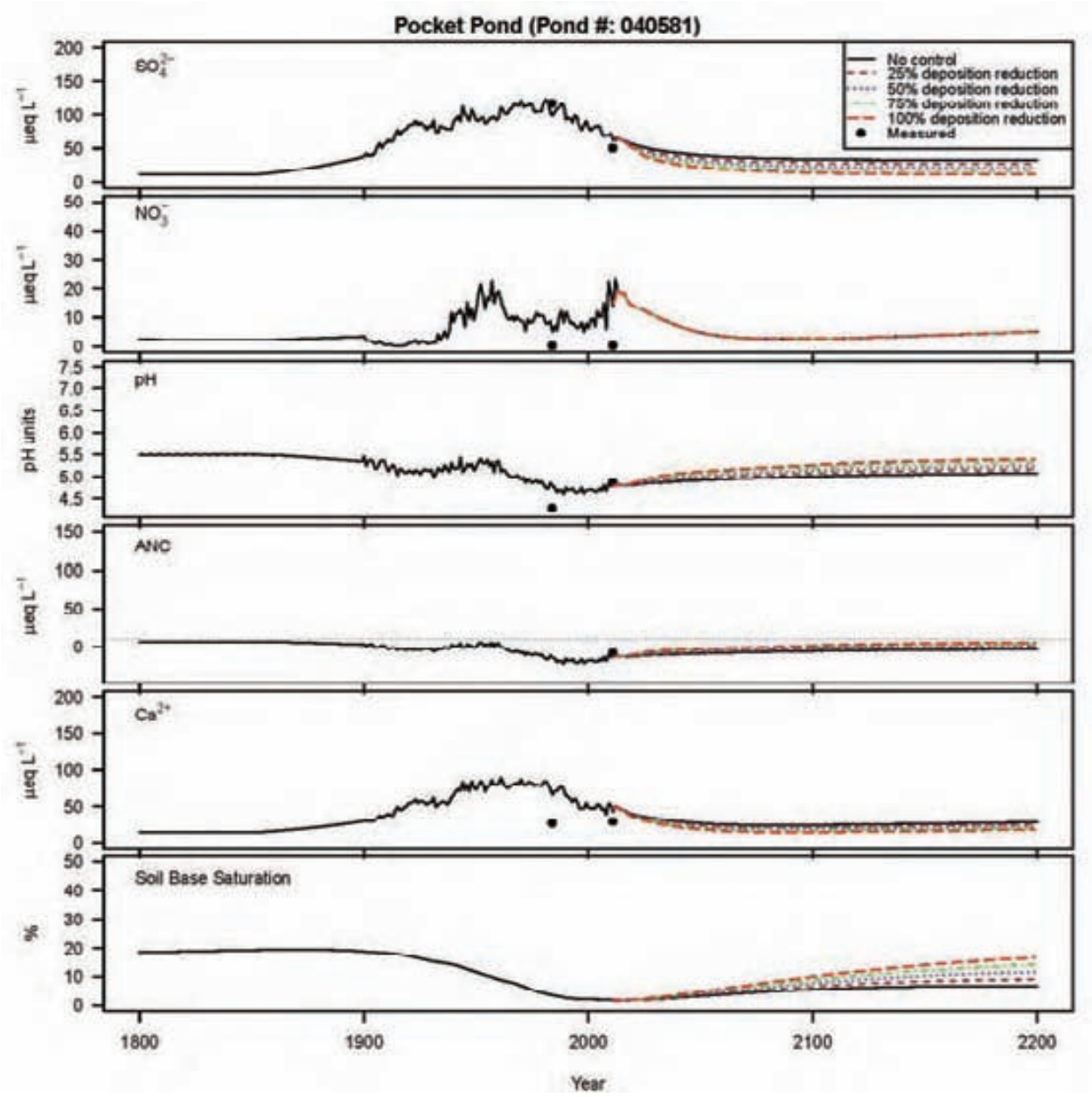

Little Salmon Pond (Pond #: 040549)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year

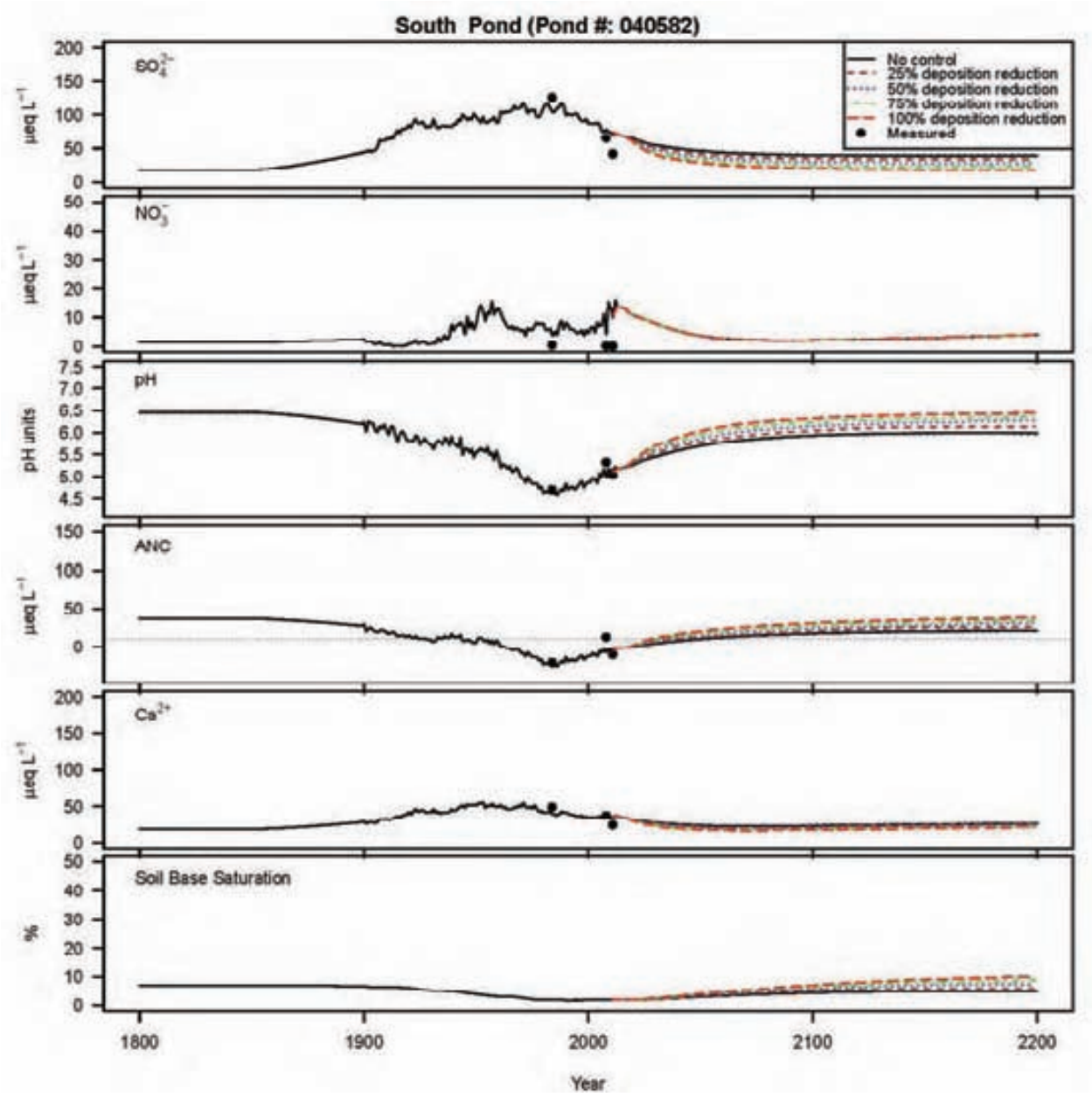

Frank Pond (Pond #: 040550)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹ bard
pH units
%
Year

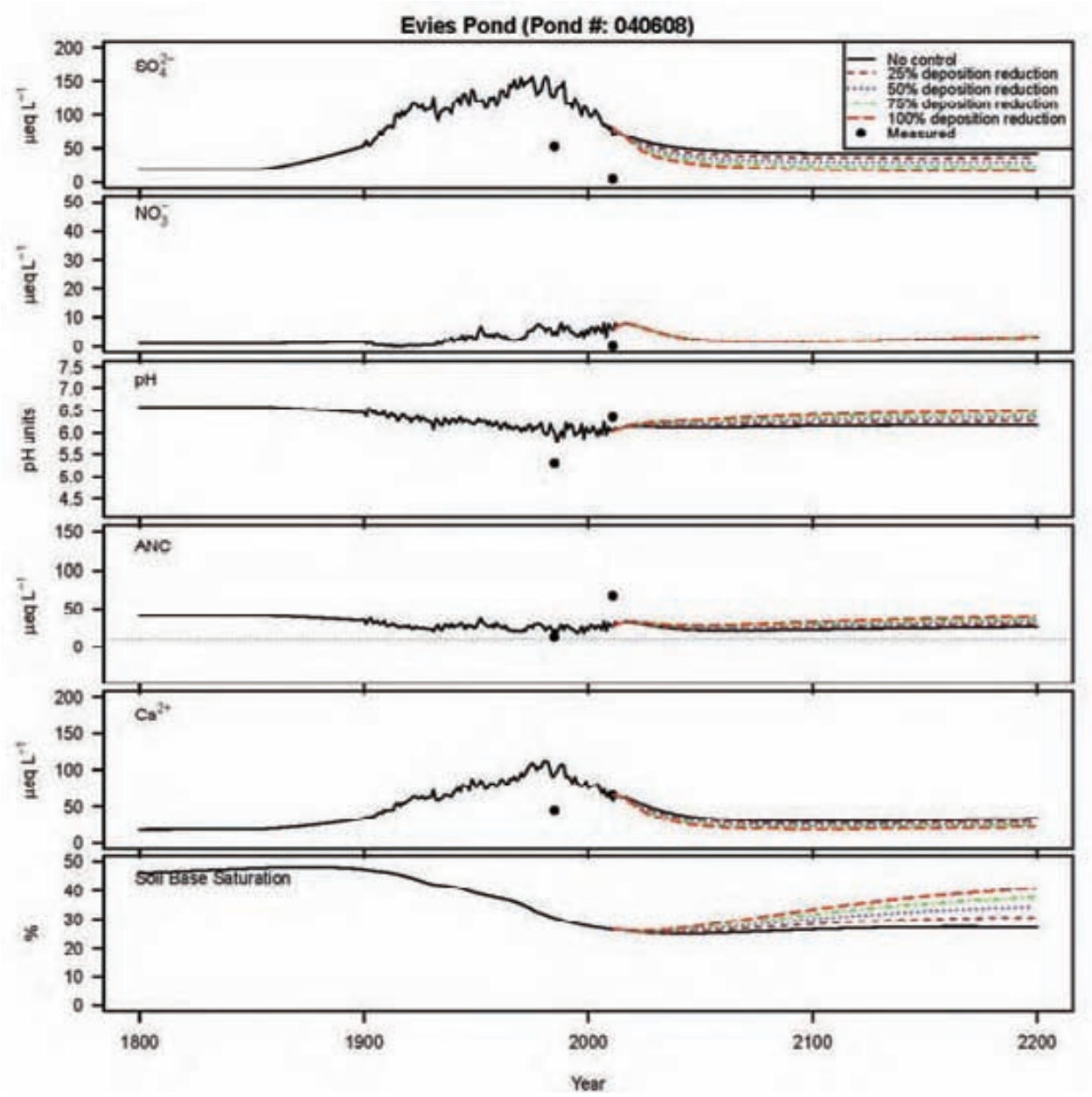

Hardigan Pond (Pond #: 040551)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


Terror Lake (Pond #: 040570)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


East Pond (Pond #: 040571)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year


Pocket Pond (Pond #: 040581)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
μeq L⁻¹
pH units
%
Year


South Pond (Pond #: 040582)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year


Evies Pond (Pond #: 040608)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
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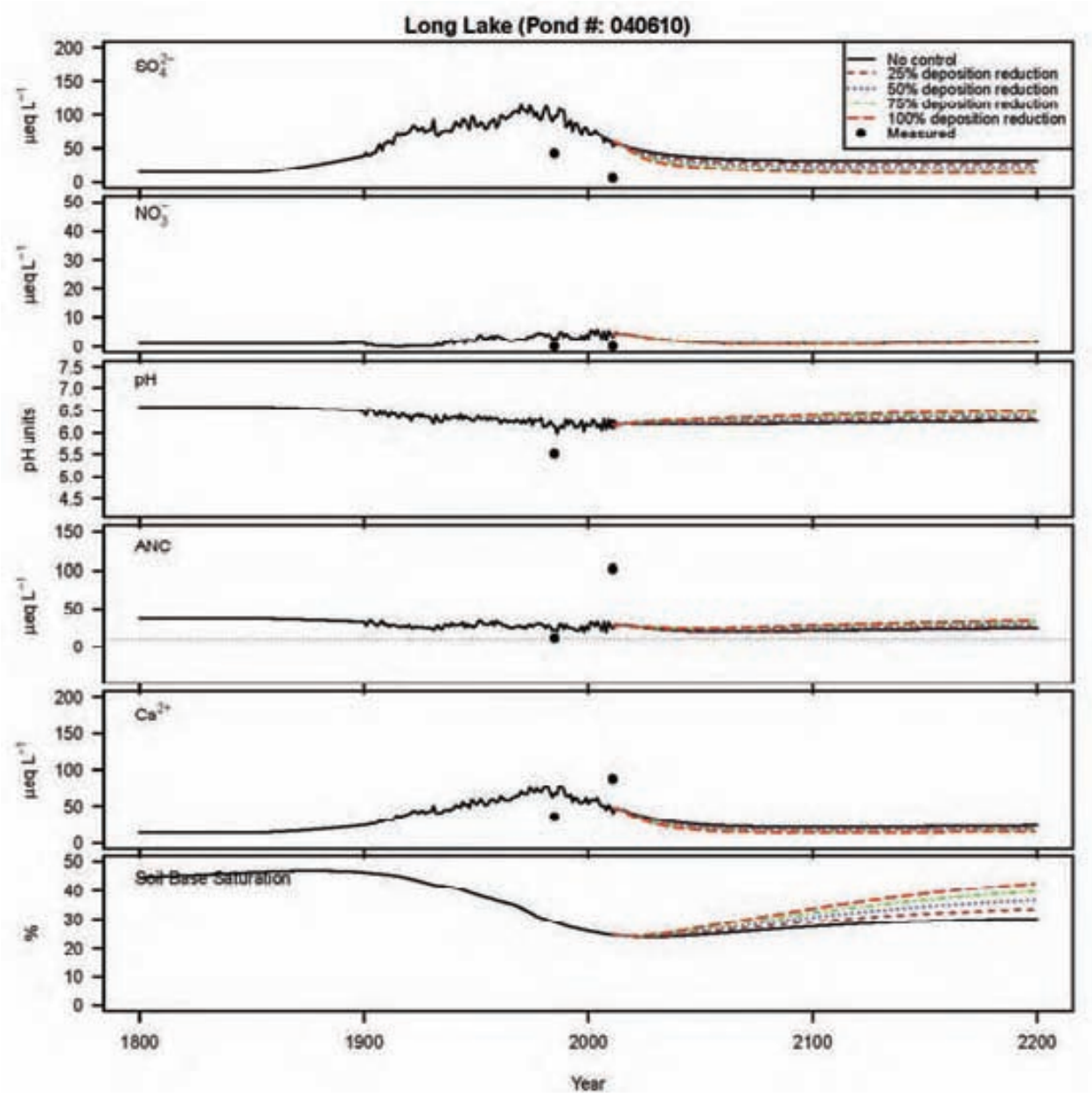
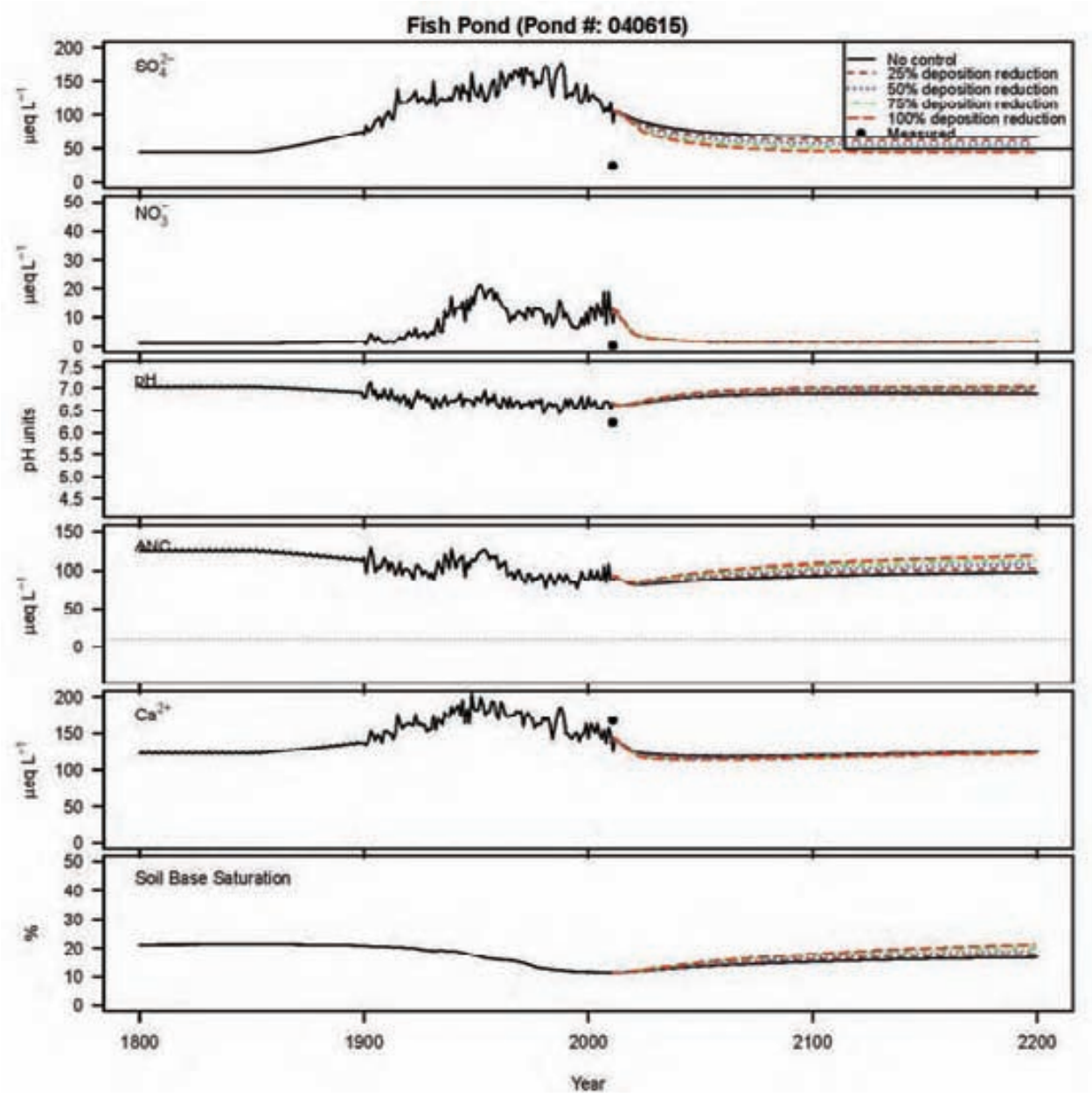
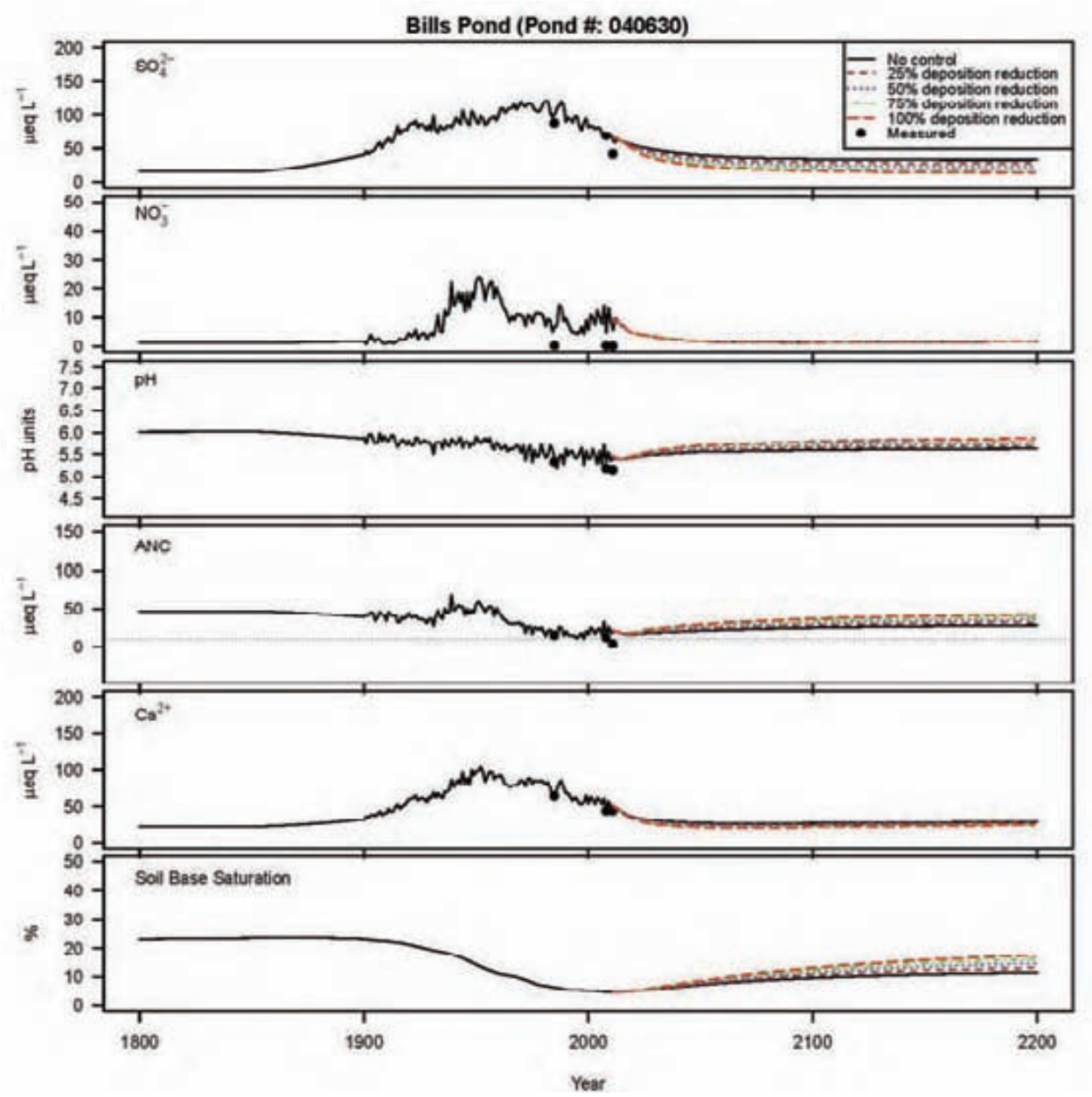
2200
Year


Long Lake (Pond #: 040610)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Fish Pond (Pond #: 040615)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Bills Pond (Pond #: 040630)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
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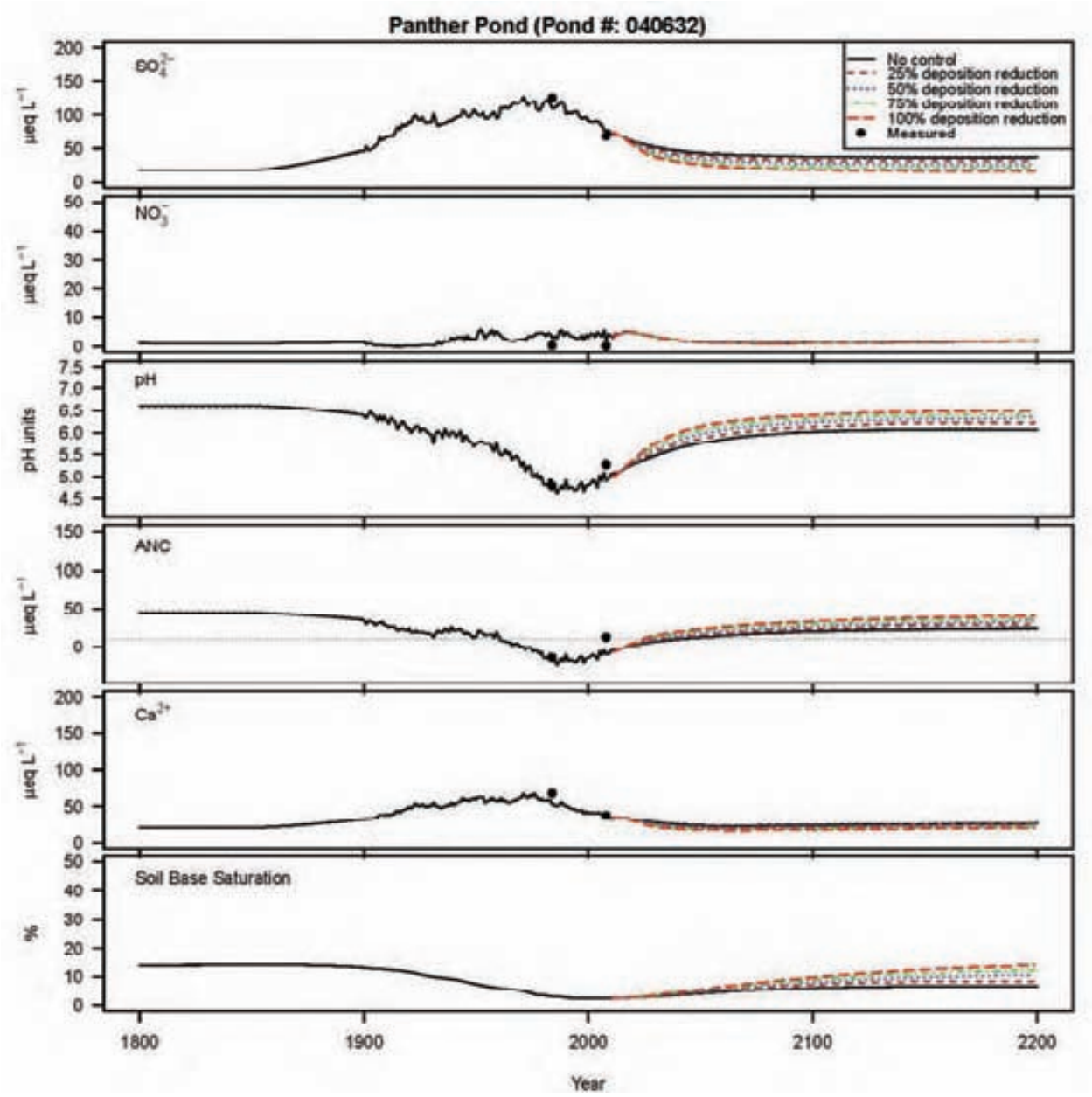
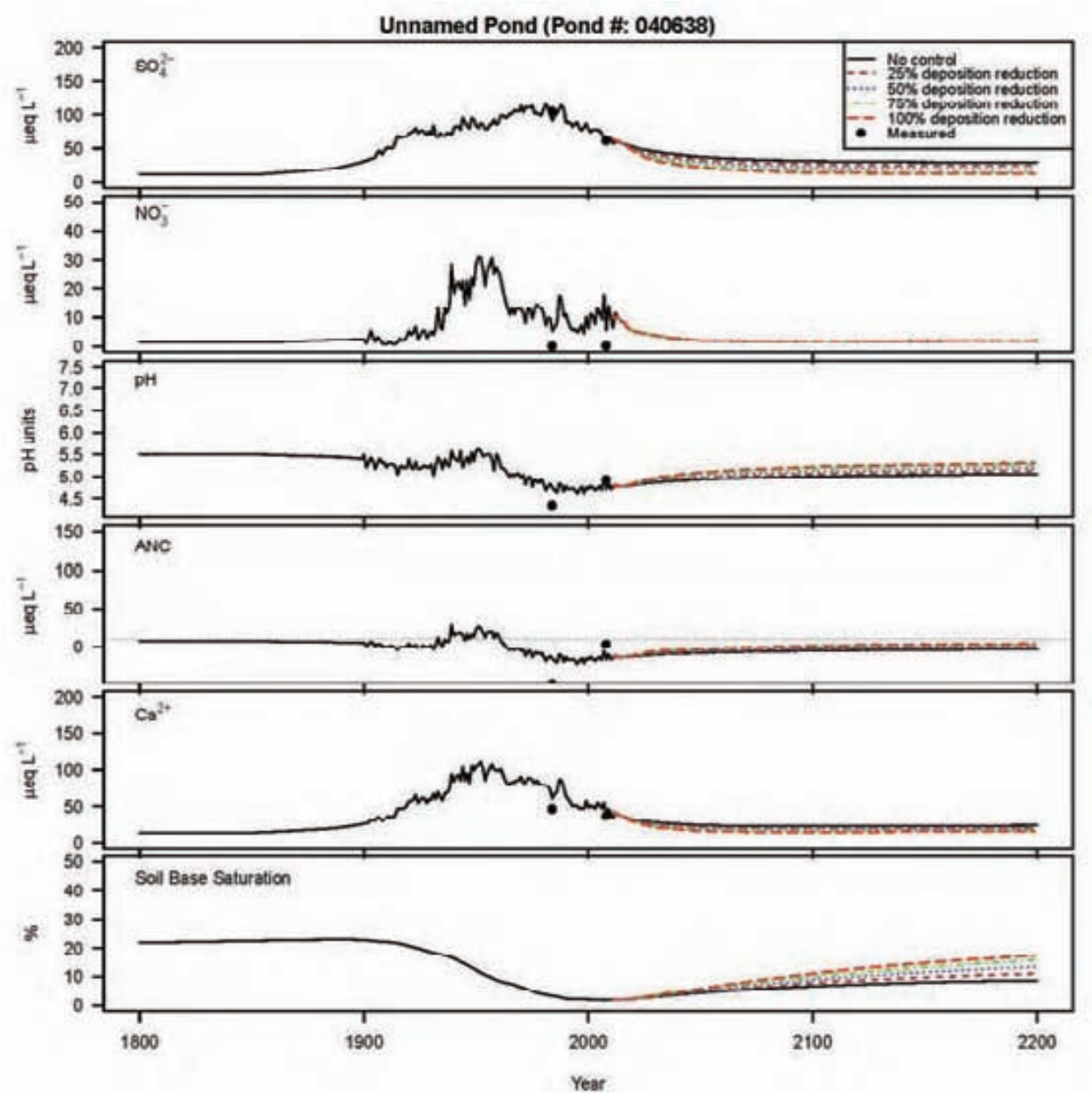
2200
Year


Panther Pond (Pond #: 040632)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
2100
2200
Year


Unnamed Pond (Pond #: 040638)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
Year
1800
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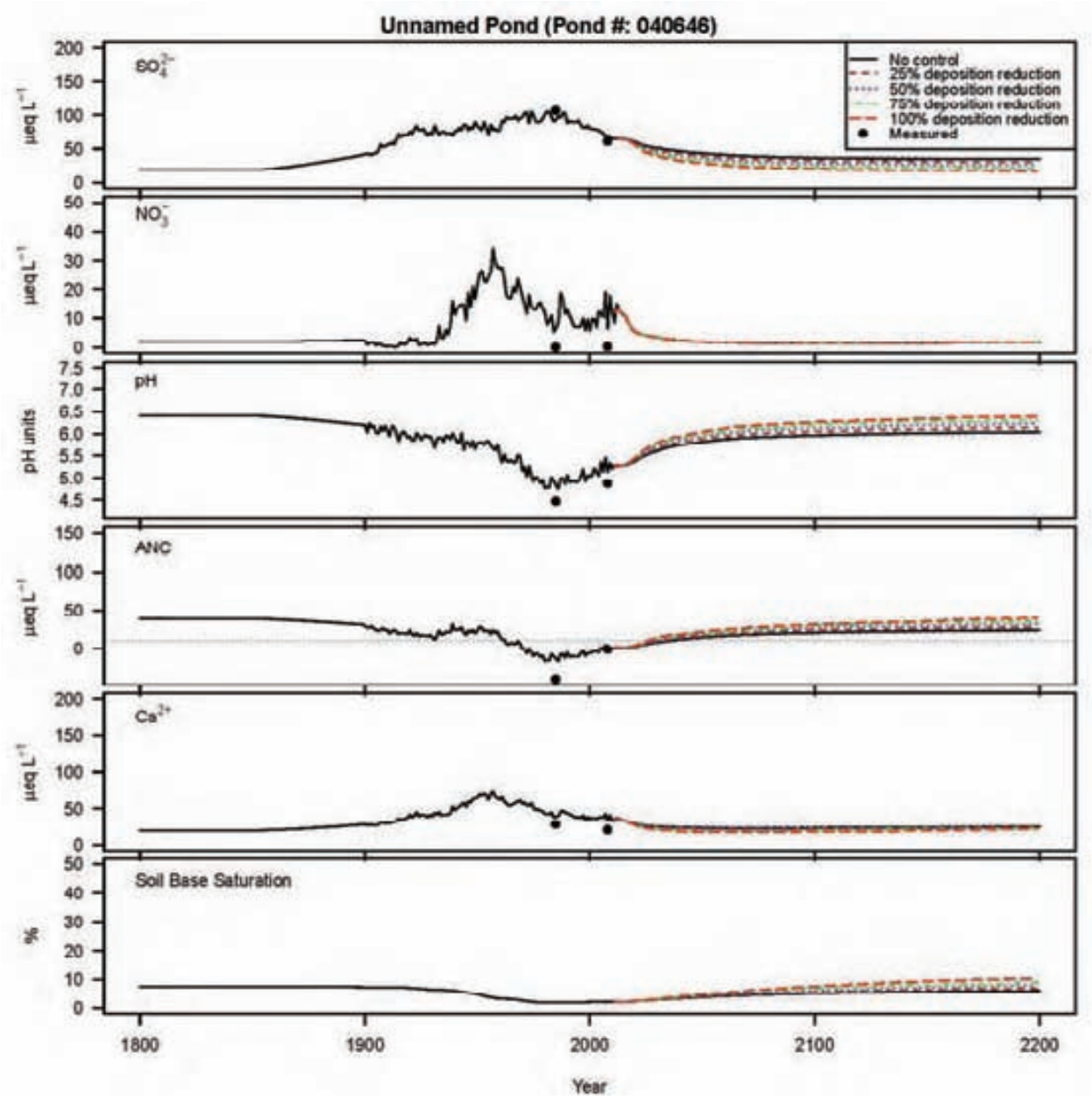
2200


Unnamed Pond (Pond #: 040646)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
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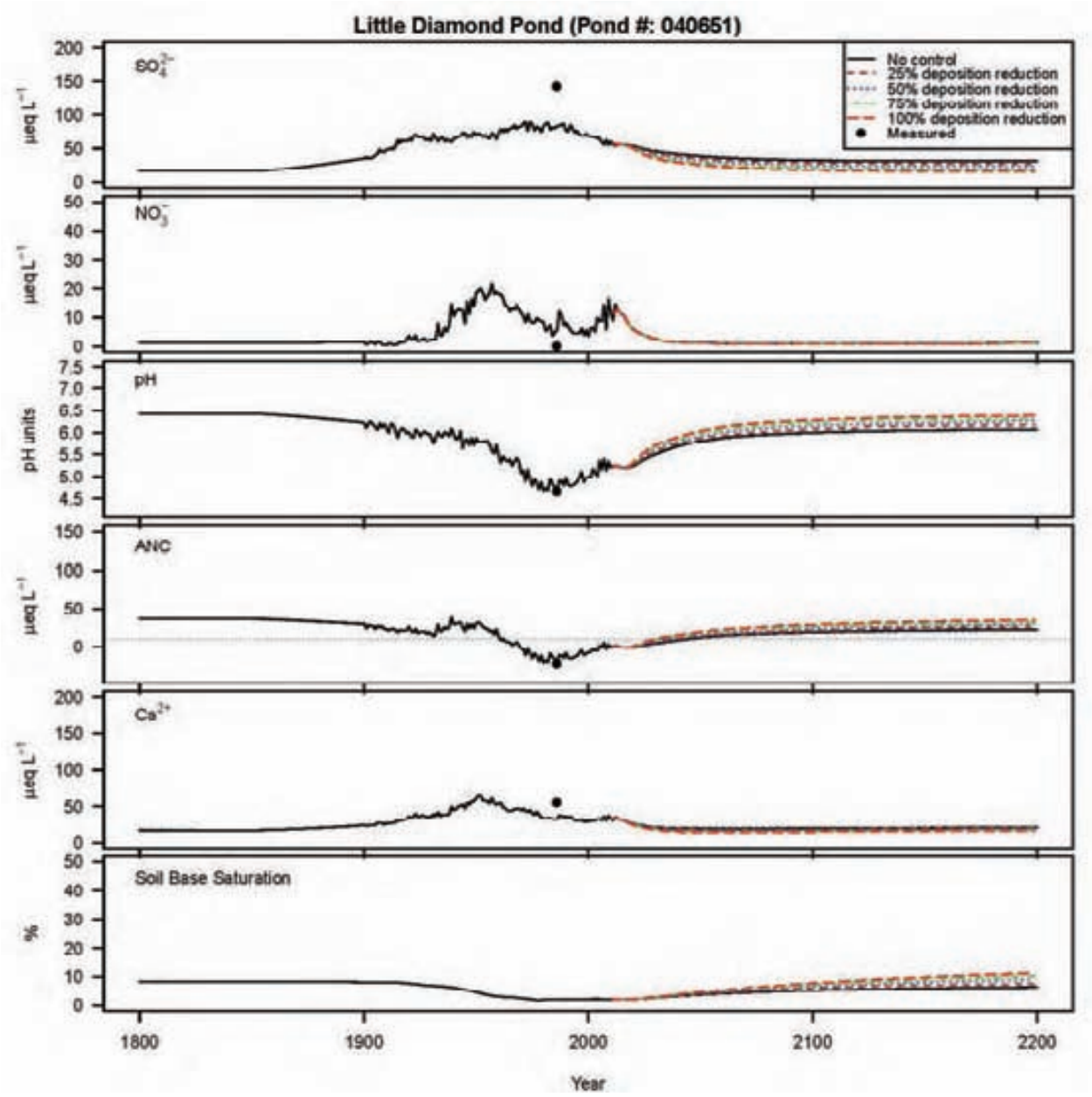
2000
2100
2200
Year


Little Diamond Pond (Pond #: 040651)
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
1800
1900
2000
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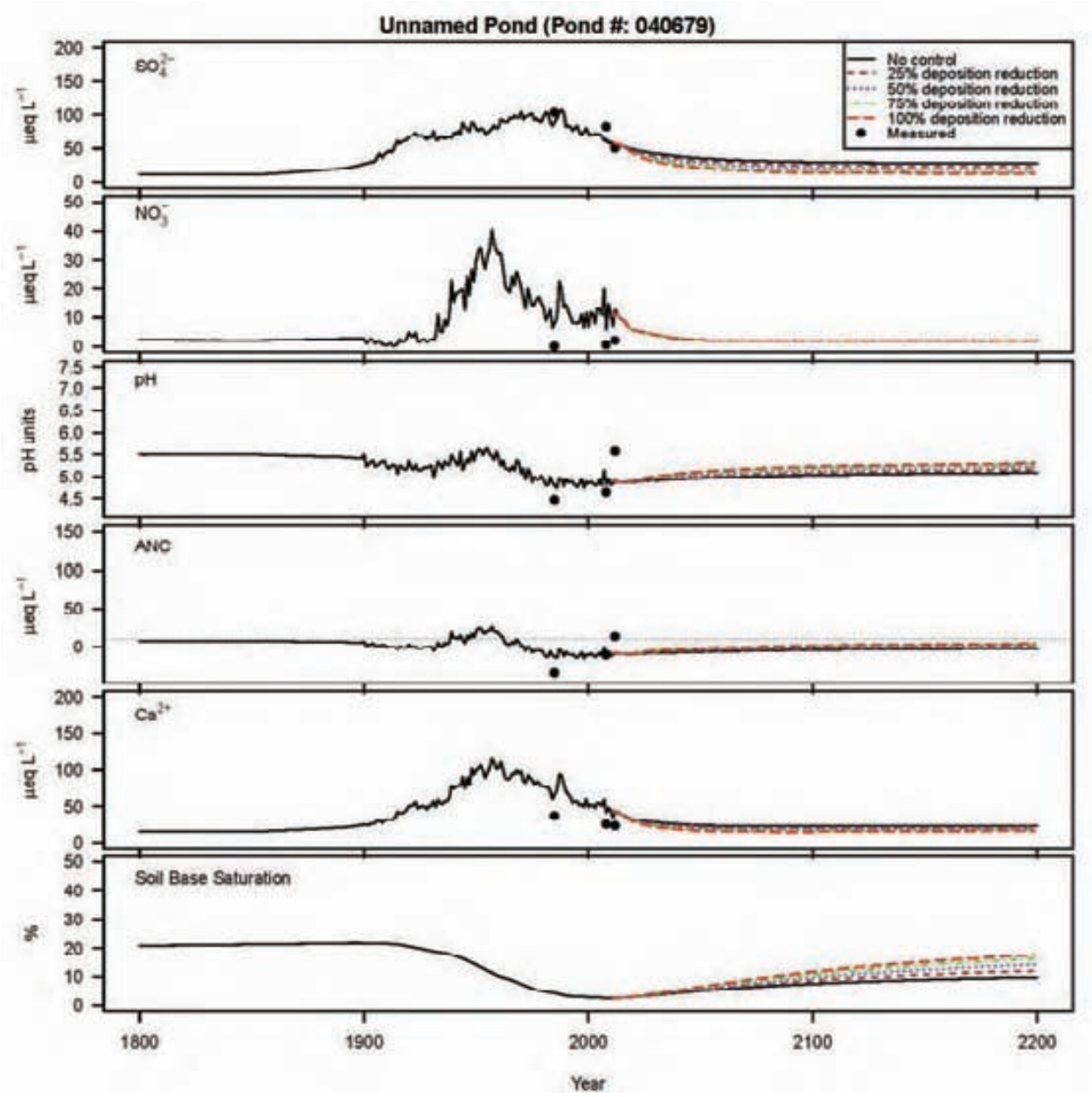
2200
Year


Unnamed Pond (Pond #: 040679)
SO_4^{2-}
NO_3^-
pH
ANC
Ca^{2+}
Soil Base Saturation
μeq L⁻¹
pH units
%
No control
25% deposition reduction
50% deposition reduction
75% deposition reduction
100% deposition reduction
Measured
1800
1900
2000
2100
2200
Year