4.594<sup>3</sup>

 $0.000^3$ 

 $-1.933^{2}$ 

4.593<sup>3</sup>

 $0.000^3$ 

 $-1.875^{2}$ 

4.554<sup>3</sup>

 $9.240^{3}$ 

 $-1.907^{2}$ 

4.654<sup>3</sup>

 $0.394^{3}$ 

 $-2.007^{2}$ 

 $6.226^3$ 

17.630<sup>3</sup>

 $-1.933^{2}$ 

4.594<sup>3</sup>

0.000

0.675

0.063

0.000

0.344

0.071

0.000

0.053

0.066

0.000

0.244

0.055

0.000

0.185

0.063

0.000

8.065

0.000

NA

8.065

0.000

NA

8.131

0.838

NA

8.064

0.241

NA

8.447

2.408

NA

8.065

Silt

 $(D^2 = 69.64\%)$ 

TOC

 $(D^2 = 69.64\%)$ 

 $(D^2 = 73.31\%)$ 

TN

 $(D^2 = 70.50\%)$ 

TN:TP

 $(D^2 = 80.96\%)$ 

Null

 $(D^2 = 69.64\%)$ 

<sup>1</sup> Effective degrees of freedom

<sup>2</sup> t-value

<sup>3</sup> F-value

s(Lake)

s(Silt)

Intercept

s(Lake)

s(TOC)

Intercept

s(Lake)

s(TP)

Intercept

s(Lake)

s(TN)

Intercept

s(Lake)

s(TN\_TP)

Intercept

s(Lake)

NA

NA

-0.942

NA

NA

-0.916

NA

NA

-0.941

NA

NA

-0.977

NA

NA

-0.942

NA

NA

NA

0.487

NA

NA

0.488

NA

NA

0.494

NA

NA

0.487

NA

NA

0.487

NA