RESEARCH & DEVELOPMENT

Building a scientific foundation for sound environmental decisions

Nitrogen Loading ATtILA Metric N_Load

Values are base on Reckhow et al., 1980

Reckhow estimates are by observed nitrogen loading by land cover type across the U.S

Coefficients or weightings are measures in kg/ha/yr

ATtILA N_Load based on amounts of certain land cover types using Reckhow weighting

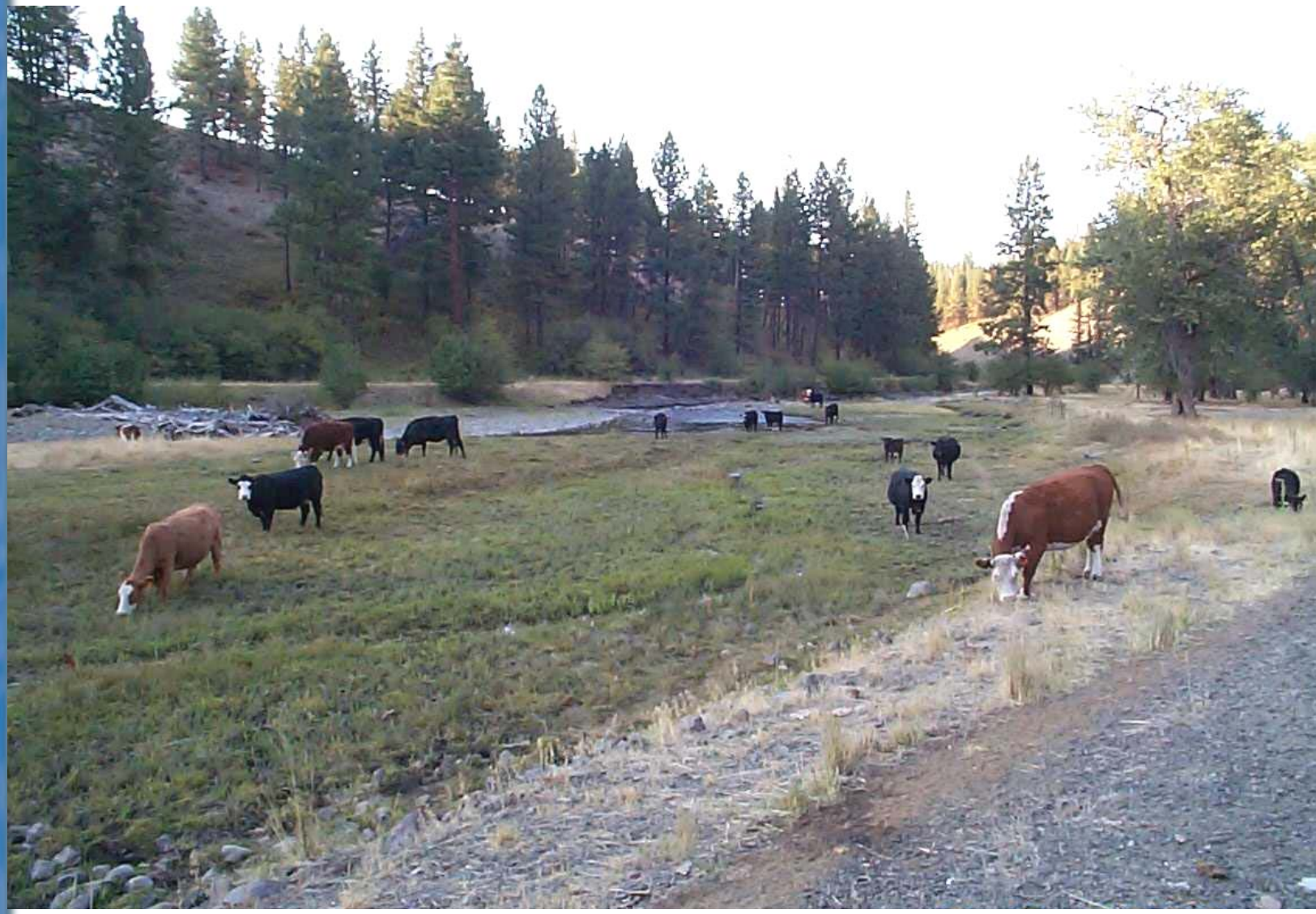

Photo by Peter Leinenbach U.S. EPA Region 10

RESEARCH & DEVELOPMENT

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SAS

File Edit Analyze Tables Graphs Curves Vars Help

Enter a Command

Explorer

Contents of 'SAS Environment'

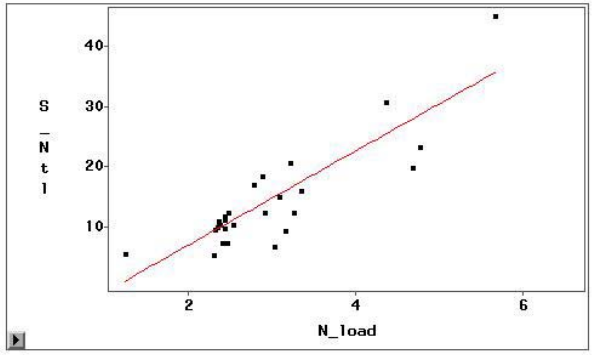
Libraries File Shortcuts

Fit WORK.ORST

ECO_NUTR = 1

S_Ntl = N_load
Response Distribution: Normal
Link Function: Identity

Model Equation
S_Ntl = - 8.8366 + 7.8509 N_load



Parametric Regression Fit

		Model		Error				
Curve	Degree(Polynomial)	DF	Mean Square	DF	Mean Square	R-Square	F Stat	Pr > F
	1	1	1421.6818	25	18.5392	0.7541	76.69	<.0001

Summary of Fit

Mean of Response	14.4027	R-Square	0.7541
Root MSE	4.3057	Adj R-Sq	0.7443

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Stat	Pr > F
Model	1	1421.6818	1421.6818	76.69	<.0001
Error	25	463.4810	18.5392		
C Total	26	1885.1628			

Type III Tests

Source	DF	Sum of Squares	Mean Square	F Stat	Pr > F
N_load	1	1421.6818	1421.6818	76.69	<.0001

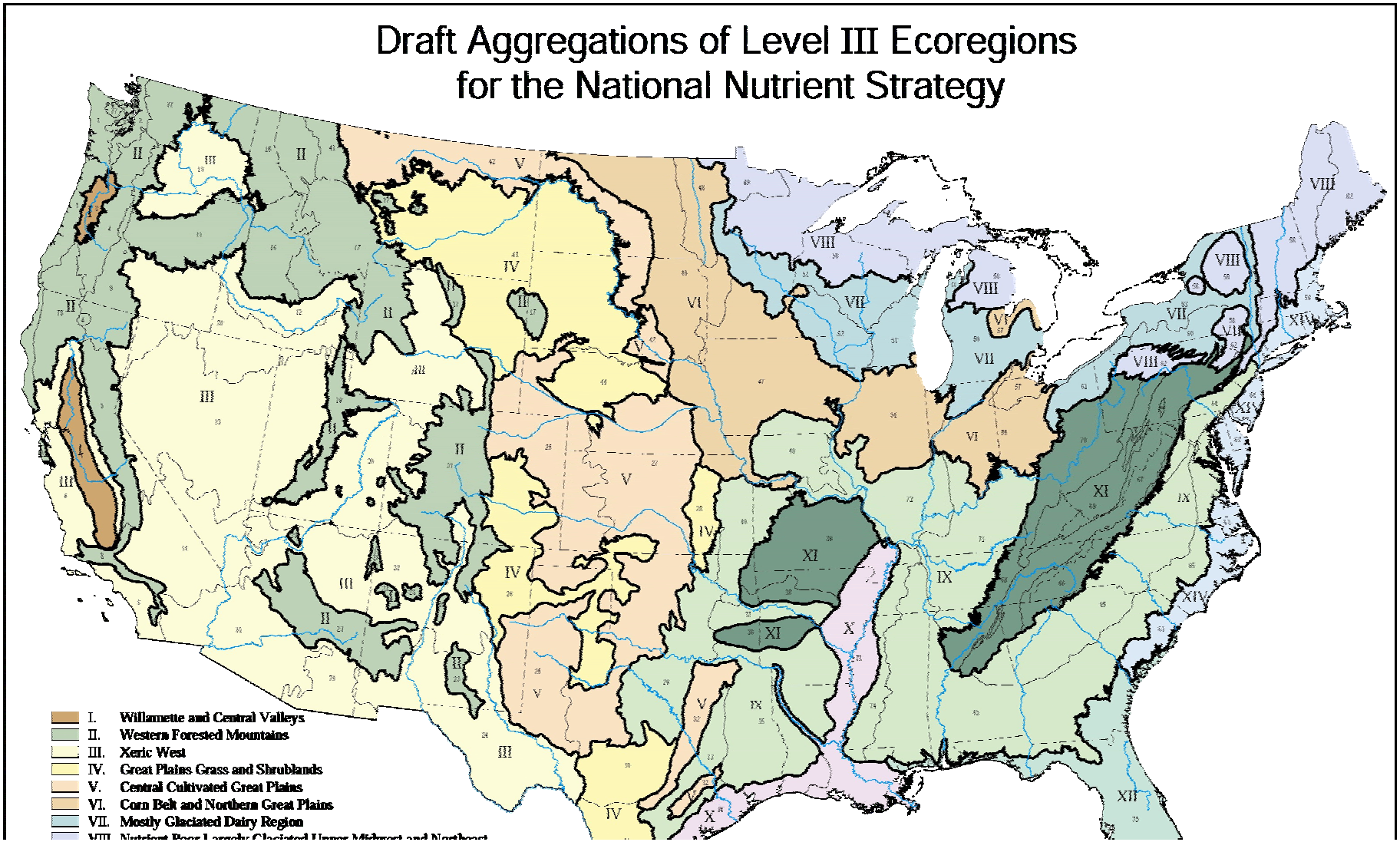
Parameter Estimates

Results Explorer

Output - (Untitled) Log - (Untitled) Editor - Untitled1 WORK.ORST Fit WORK.ORST

Enter a Command Here

C:\Documents and Settings\msddth

Start leb on 'Lebcluster' (N:) Automated Geospatial W... SAS 10:58 AM

Nutrient Ecoregions