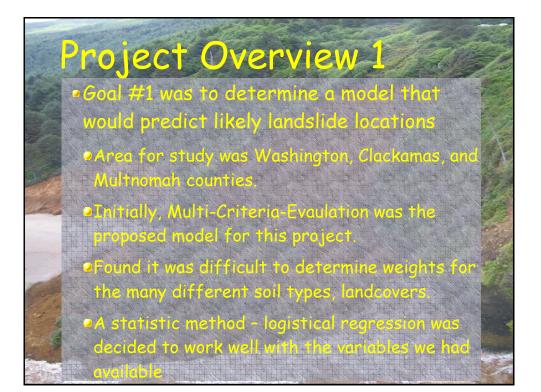
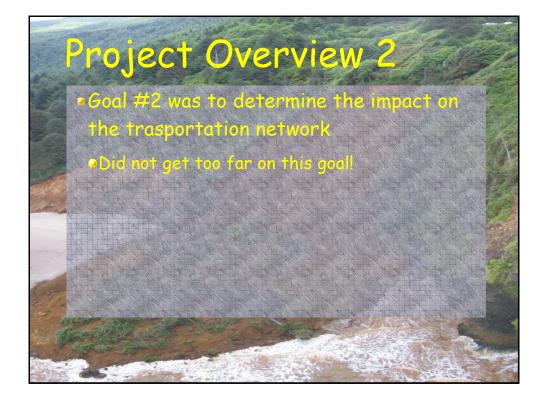
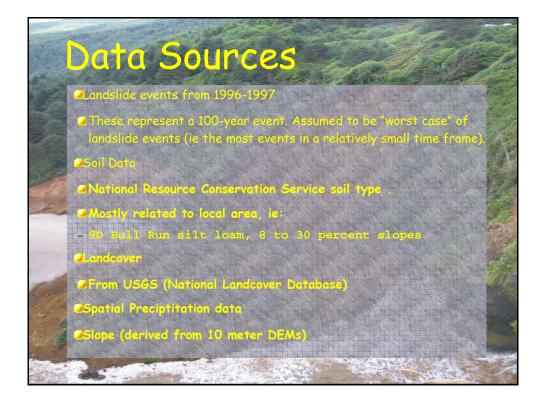
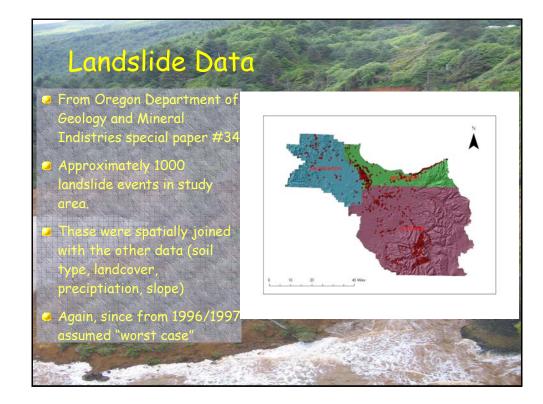
GEOG 492/592 Presentation: Modeling Landslides with Transportation Network

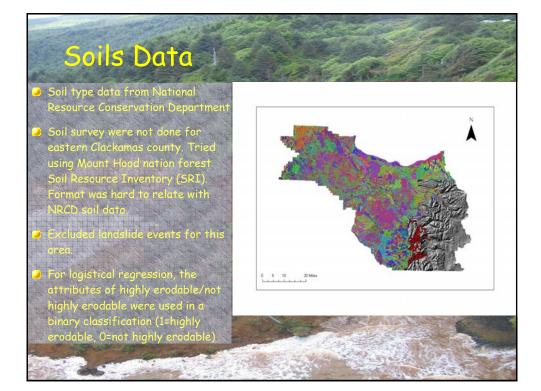
> Project Group #8 Brian Biboux Joe Hayes Joseph Hoopes

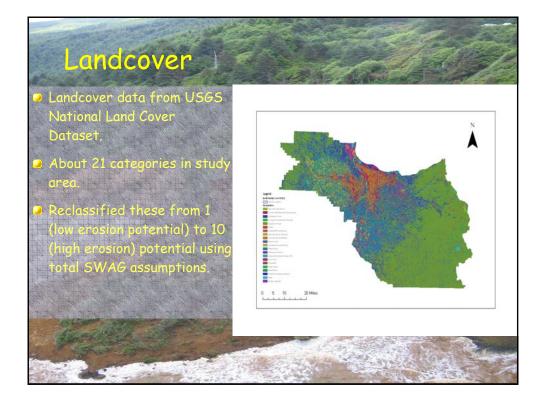


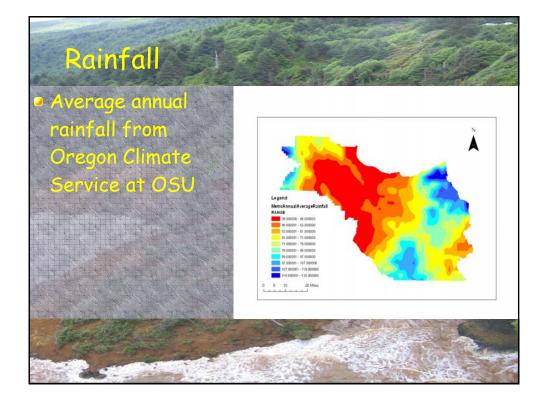


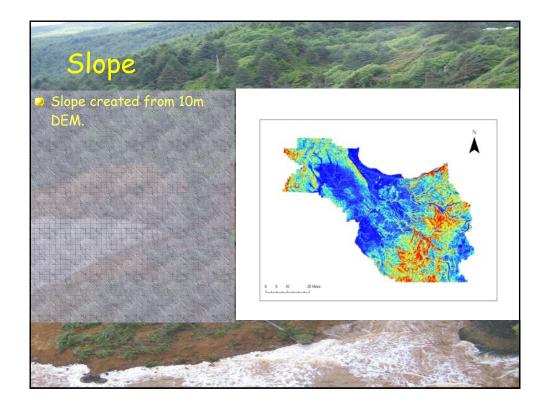












Methodology-Logistical Regression

Se as-

As mentioned earlier, logisitical regression was chosen as a method

to derive an model for landslides.

According to Wikipedia: logistical regression is a statistical regression model for binary dependent variables.

The modeled equation takes the form: $log(p / 1 + p) = a + b_1 x_1$ $b_2 X_2 + \dots + b_n X_n$

The coefficients b1 to bk are predicted using maximum likelyhood estimation.

Maximum likelyhood estimation is an iterative algorithm that attempts to estimate the population parameters that most likely produced the data.



