

Erosion Prediction

Water Erosion

Alaska NRCS uses the Revised Universal Soil Loss Equation 2 Program (RUSLE2) to estimate water erosion. RUSLE 2 is the official program used to measure water erosion for NRCS programs and planning activities. The RUSLE2 program was developed primarily to guide conservation planning, inventory erosion rates and estimate sediment delivery. Values computed by RUSLE2 are supported by accepted scientific knowledge and technical judgment, are consistent with sound principles of conservation planning, and result in good conservation plans.

The RUSLE2 program and associated databases can be found at the following website:
http://fargo.nserl.purdue.edu/rusle2_dataweb/RUSLE2_Index.htm.

Wind Erosion

Alaska NRCS uses the Wind Erosion Prediction System (WEPS) to estimate wind erosion. WEPS is the official program used to measure wind erosion for NRCS programs and planning activities. WEPS is a process-based, daily time-step model that simulates weather, field conditions, and erosion.

The WEPS program and associated databases can be found at the following website:
<http://www.weru.ksu.edu/nrcs/>

Archived Estimating Soil Loss Resulting from Water Erosion in Alaska

Estimating Soil Loss Resulting from Water Erosion in Alaska, July 1986 has been archived for use on CRP, HEL, and other Food Security Act compliance issues. A hard copy is located in Alaska NRCS Field Offices.