

Swamp Angel Study Plot Dust Mass Loading Data - WY 2011

From 0.5m2 samples collected by CSAS, processed by USGS Denver

Dust Event	Date	Visually Estimated Organic Content	Gross Weight 0.5 m2 Sample (grams)	Estimated Mass Loading Grams/m2	Notes
D1	19-Feb-11	na	no sample	na	Extremely minor event
D2	6-Mar-11	na	no sample	na	Extremely minor event
D3	17-20-Mar-11	80%	0.1378	0.276	Discrete sample
D4	21-Mar-11	<10%	2.562	5.124	Merged sample; D4 value derived from a merged D3-D4 sample, less the D3 sample
D5	8-Apr-11	<10%	0.608	1.216	Discrete sample
D6	21-Apr-11	<10%	0.3355	0.671	Discrete sample
D7	29-Apr-11	20%	0.2391	0.478	Discrete sample
D8	9-May-11	<10%	0.5393	1.079	Discrete sample
D9	18-May-11	na	no sample	na	Minor dust-on-dust event; discrete sampling infeasible
D10	26-May-11	na	no sample	na	Minor dust-on-dust event; discrete sampling infeasible
D11	29-May-11	na	no sample	na	Major dust-on-dust event; discrete sampling infeasible
D2-D11 Merged	6/14/11 Sample	20%	7.0646	14.129	Sample of top few cm after D11-D2 layers had merged; some 'seepage' missed