

Table heading: Modeling Domain
Temporally and Spatially Adjusted
Area/Nonpoint Emissions by Non-Attainment Area
Tons/Average Episode Day

This table shows county totals of area / non-point source emissions for each pollutant of interest. Units are in tons per average episode day, and the information is organized into groups of county totals approximating each of the PM2.5 nonattainment areas within the modeling domain. For instance, the box labeled Provo, UT nonattainment area reports a total that would include all area / non-point source emissions within the county. In actuality, the nonattainment area includes only a portion of Utah County. Emission totals for the box labeled Surrounding Areas includes the county totals for each county belonging, at least in part, to the modeling domain but not extending into any of the three PM2.5 nonattainment Areas. Emissions from any of the counties bisected by the modeling domain were adjusted within the SMOKE pre-processor to account for only that portion belonging to the domain. Typically, the adjustment is made based on either geographic area or population. All annual area / non-point source emissions were temporally adjusted within the SMOKE pre-processor. ***The annual totals used for this episode were compiled as an average of 2009 and 2010.*** Subtotals for each of the regions within the domain are compared, below the last box, in terms of both emission rates and percentages.

Modeling Domain
Temporally and Spatially Adjusted
Episode 3: 12/8/2009 - 1/22/2010 (44 days)
Area/NonPoint Emissions by Non-Attainment Area

Tons/Average Episode Day

NA-Area	State	County	PM2.5	NOX	VOC	NH3	SO2	CO
Logan, UT-ID	Idaho	Franklin	0.148	0.546	3.334	4.670	0.412	1.209
	Utah	Cache	0.441	1.351	5.566	4.488	0.169	4.511
Total			0.589	1.897	8.900	9.158	0.581	5.720

Provo, UT	Utah	Utah	1.714	5.406	15.767	6.697	0.353	17.900
Total			1.714	5.406	15.767	6.697	0.353	17.900

Salt Lake City, UT	Utah	Box Elder	0.441	2.976	3.896	7.376	0.260	3.645
	Utah	Davis	0.804	4.527	7.674	1.579	0.175	5.735
	Utah	Salt Lake	2.898	13.068	34.232	4.164	0.752	26.575
	Utah	Tooele	0.488	2.497	2.266	2.638	0.416	4.547
	Utah	Weber	0.860	4.311	8.111	2.687	0.230	8.996
Total			5.492	27.378	56.179	18.444	1.834	49.499

Surrounding Areas	Idaho	Bannock	0.978	3.386	5.249	2.199	5.490	11.662
	Idaho	Bear Lake	0.088	0.830	1.807	1.766	0.294	0.817
	Idaho	Bingham	0.776	1.984	6.584	7.485	2.137	4.779
	Idaho	Blaine	13.329	12.923	6.652	1.269	3.643	23.109
	Idaho	Caribou	0.112	0.735	1.664	1.644	0.471	0.786
	Idaho	Cassia	0.346	0.739	11.780	19.490	1.226	2.603
	Idaho	Jerome	0.305	0.685	10.417	19.934	0.907	2.081
	Idaho	Lincoln	0.060	0.611	2.846	6.719	0.204	0.536
	Idaho	Minidoka	0.319	0.781	3.050	4.461	0.880	2.062
	Idaho	Oneida	0.053	0.235	1.251	1.327	0.212	0.532
	Idaho	Power	0.132	0.714	1.895	1.828	0.470	1.110
	Idaho	Twin Falls	0.928	2.576	10.874	16.542	5.480	11.192
	Utah	Carbon	0.128	1.318	1.106	1.177	0.185	1.475
	Utah	Duchesne	1.083	0.300	3.185	3.393	0.072	9.166
	Utah	Emery	0.302	0.813	1.483	2.473	0.165	2.492
	Utah	Juab	0.273	1.268	1.670	3.006	0.368	3.578
	Utah	Millard	0.432	1.852	3.139	7.382	0.386	3.947
	Utah	Morgan	0.125	1.007	0.715	0.986	0.082	1.426
	Utah	Rich	0.155	0.071	1.112	3.036	0.047	1.664
	Utah	Sanpete	0.579	0.521	3.354	8.402	0.442	4.422
	Utah	Summit	0.506	2.388	2.559	2.347	0.169	3.544
	Utah	Wasatch	0.308	0.443	1.604	1.096	0.026	10.443
	Wyoming	Lincoln	1.511	4.238	3.457	1.392	1.259	11.272
	Wyoming	Sublette	0.950	0.234	1.709	1.122	0.245	6.098
	Wyoming	Uinta	0.868	4.536	1.987	1.023	1.053	3.929
	Total			24.645	45.189	91.150	121.498	25.912

Logan, UT-ID	0.589	1.897	8.900	9.158	0.581	5.720
Provo, UT	1.714	5.406	15.767	6.697	0.353	17.900
Salt Lake City, UT	5.492	27.378	56.179	18.444	1.834	49.499
Surrounding Areas	<u>24.645</u>	<u>45.189</u>	<u>91.150</u>	<u>121.498</u>	<u>25.912</u>	<u>124.727</u>
	32.440	79.871	171.996	155.796	28.680	197.846

Logan, UT-ID	2%	2%	5%	6%	2%	3%
Provo, UT	5%	7%	9%	4%	1%	9%
Salt Lake City, UT	17%	34%	33%	12%	6%	25%
Surrounding Areas	<u>76%</u>	<u>57%</u>	<u>53%</u>	<u>78%</u>	<u>90%</u>	<u>63%</u>
	100%	100%	100%	100%	100%	100%