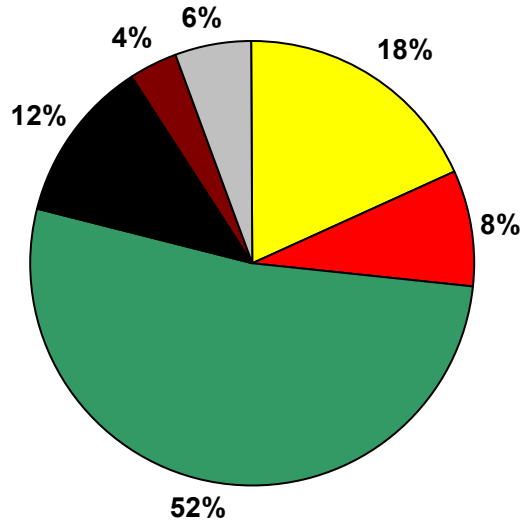


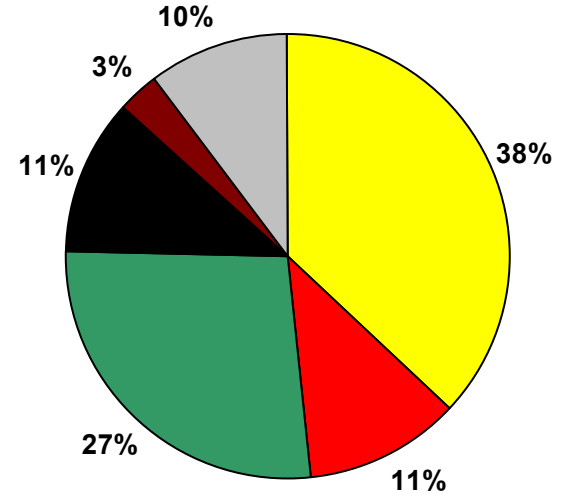
MONITORING DATA

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
BLIS1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 29 Mm-1 (21 to 50 Mm-1)

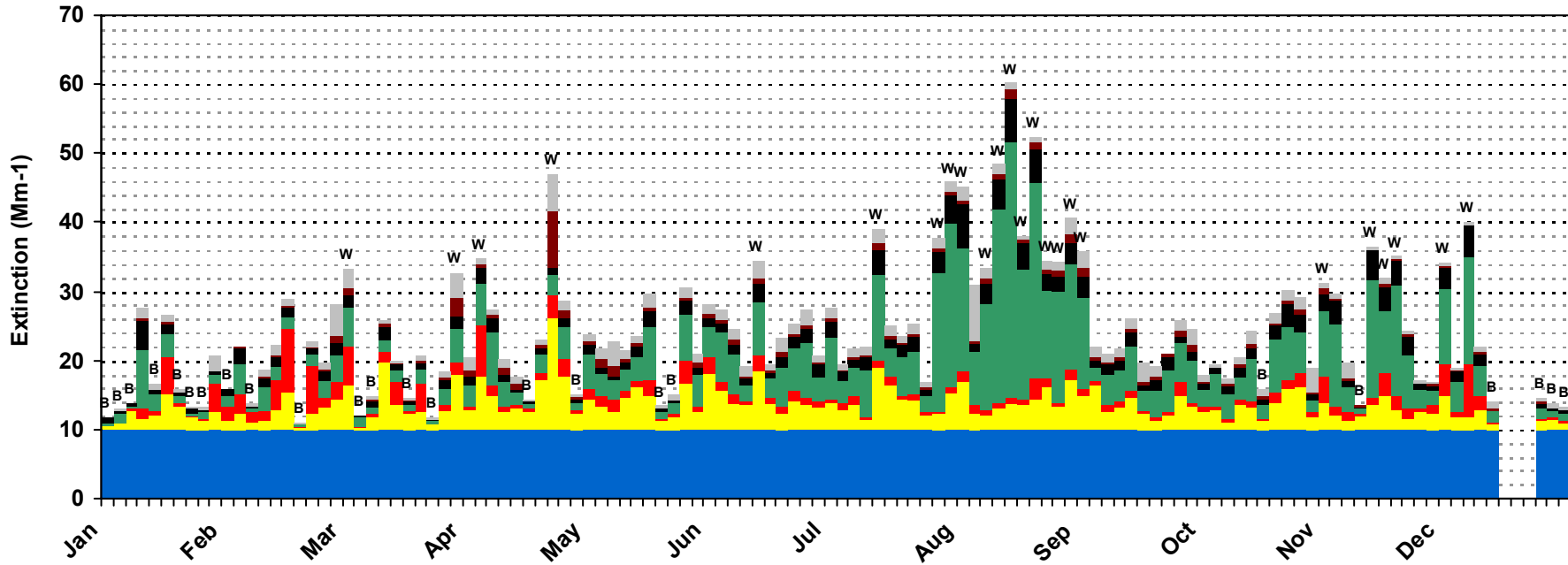


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 7 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

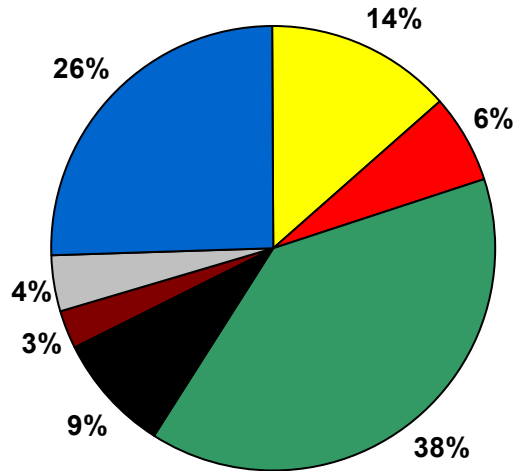
*Excludes Rayleigh Extinction



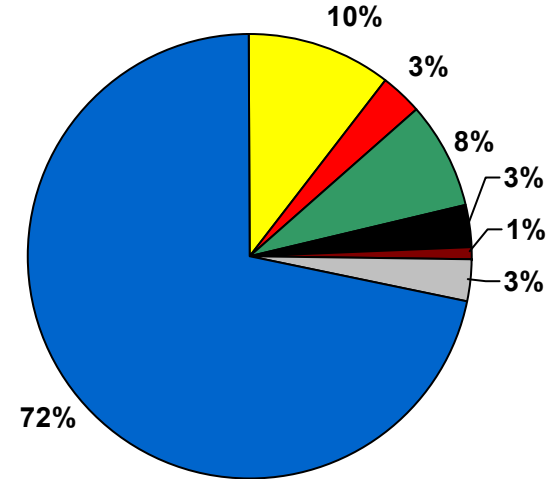
MONITORING DATA

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
BLIS1 Monitoring Data (every third day)**

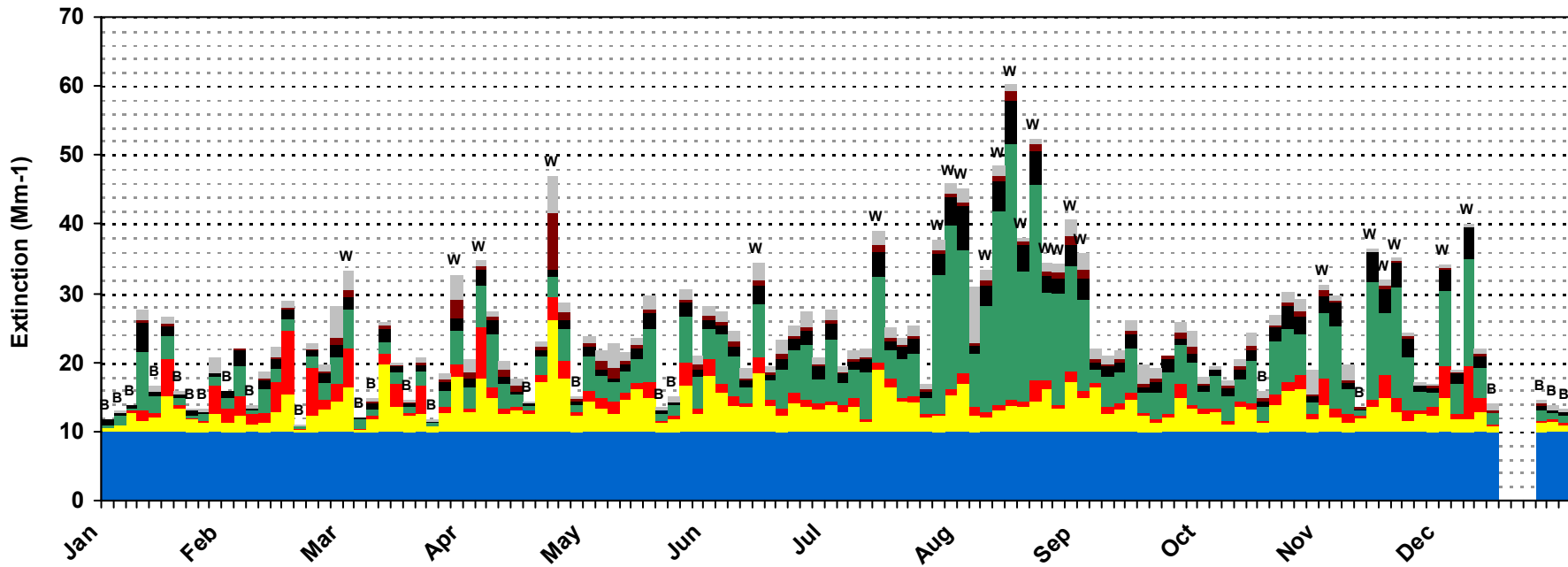
20% Worst Visibility Days
Total Extinction = 39 Mm-1 (31 to 60 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (11 to 17 Mm-1)



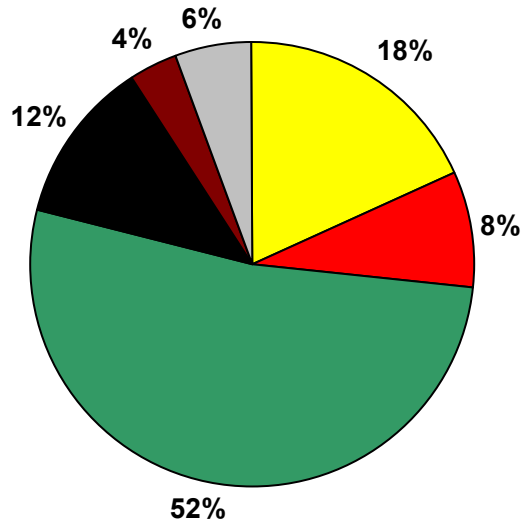
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



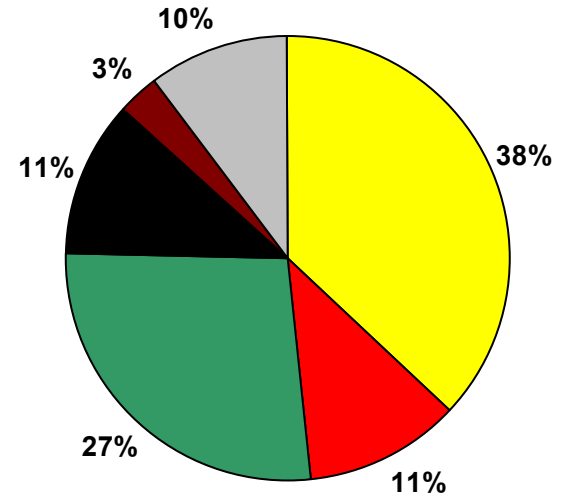
MONITORING DATA

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
BLIS1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 29 Mm-1 (21 to 50 Mm-1)

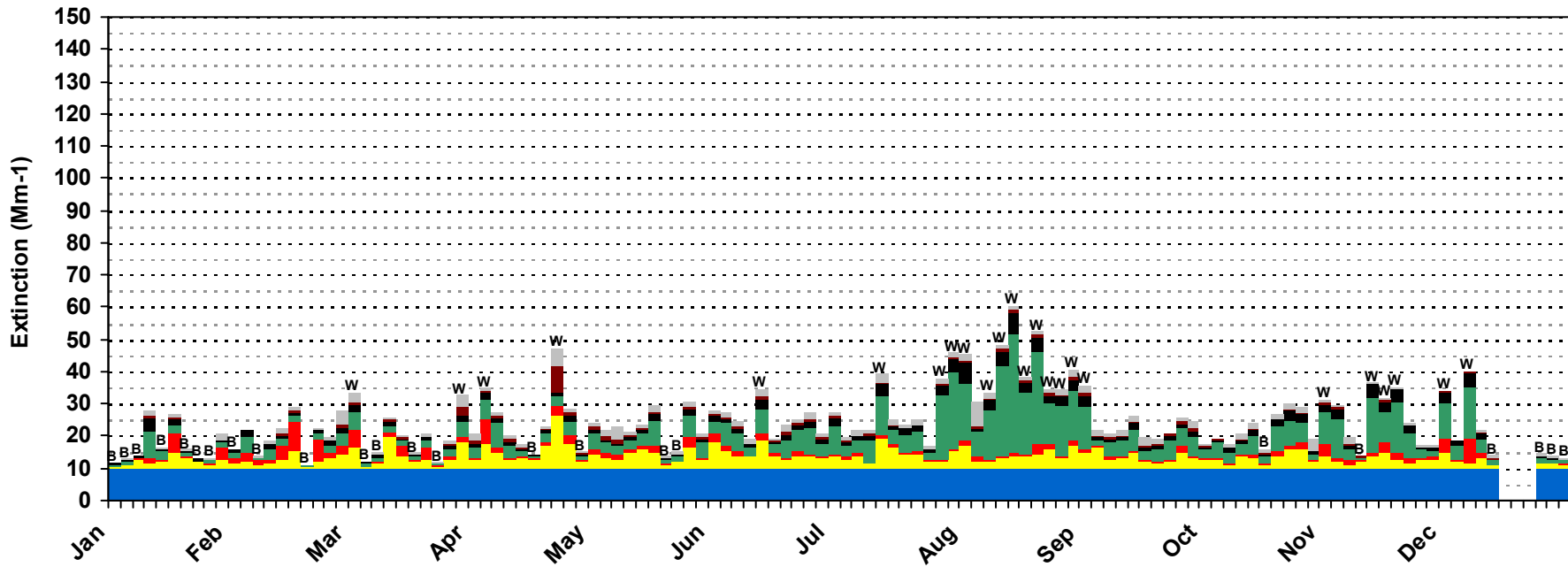


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 7 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

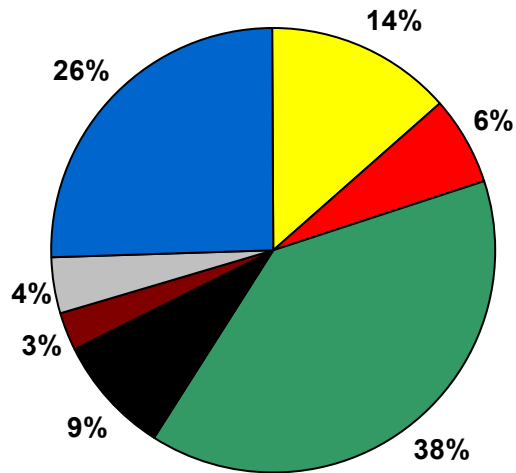
*Excludes Rayleigh Extinction



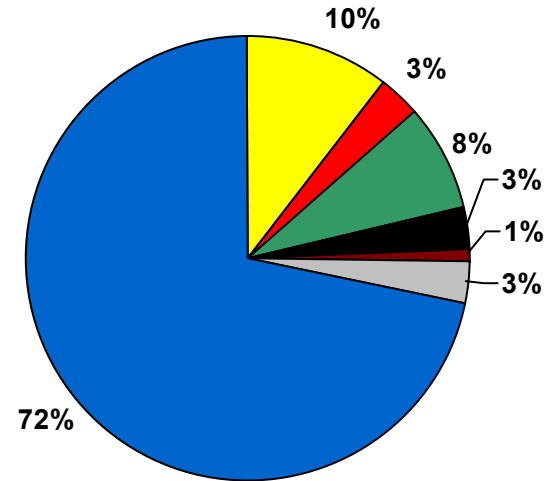
MONITORING DATA

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
BLIS1 Monitoring Data (every third day)**

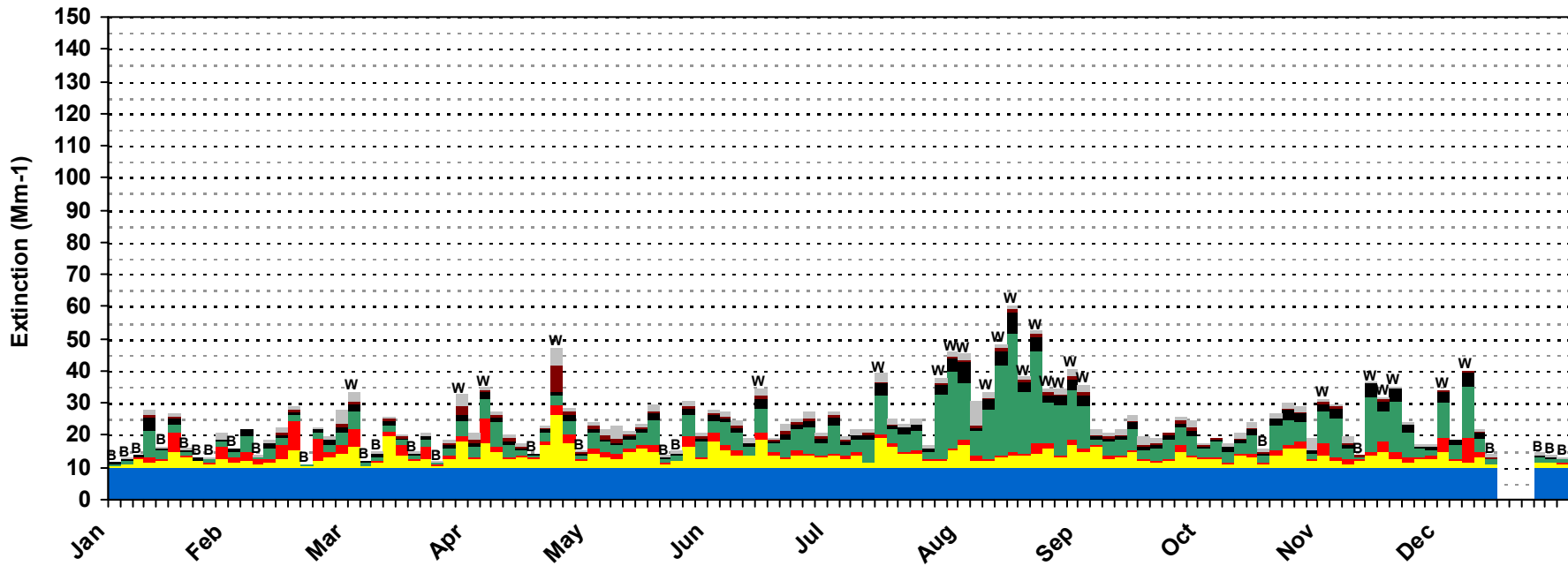
20% Worst Visibility Days
Total Extinction = 39 Mm-1 (31 to 60 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (11 to 17 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



MONITORING DATA

Mokelumne Wilderness Area, CA 2002 Reconstructed Extinction Values BLIS1 Monitoring Data (every third day)

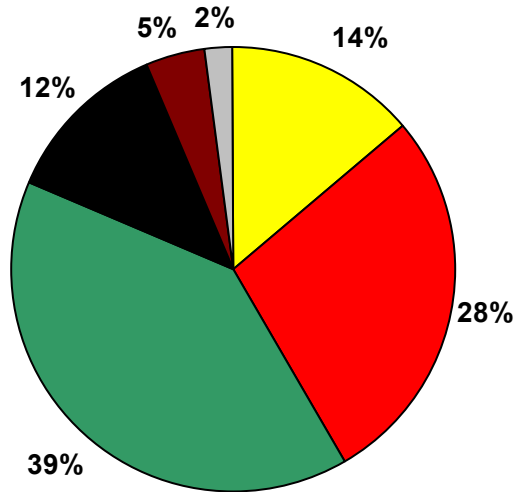
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	39.1 (13.6 dv)	31.1 (11.4 dv)	60.2 (17.9 dv)
Aerosol Extinction*:	29.1	21.1	50.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	5.4	14%	18%
Ammonium Nitrate:	2.4	6%	8%
Organic Material:	15.2	39%	52%
Elemental Carbon:	3.4	9%	12%
Soil:	1.1	3%	4%
Coarse Material:	1.6	4%	6%
Rayleigh:	10.0	26%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	13.9 (3.3 dv)	11.0 (0.9 dv)	16.5 (5.0 dv)
Aerosol Extinction*:	3.9	1.0	6.5
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.5	10%	37%
Ammonium Nitrate:	0.4	3%	11%
Organic Material:	1.1	8%	27%
Elemental Carbon:	0.4	3%	11%
Soil:	0.1	1%	3%
Coarse Material:	0.4	3%	10%
Rayleigh:	10.0	72%	N/A

*Excludes Rayleigh Extinction

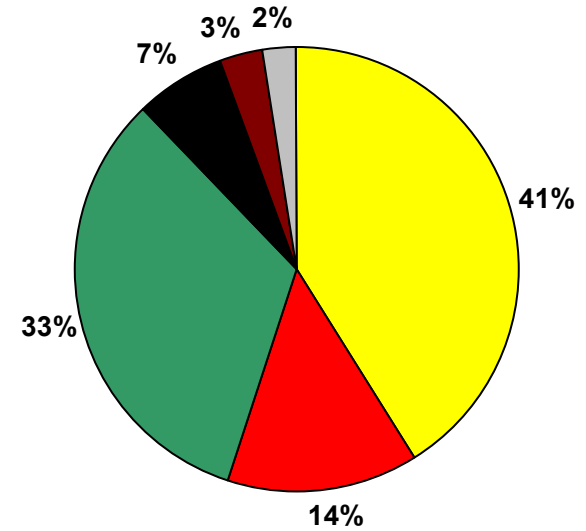
MODEL RESULTS

Mokelumne Wilderness Area, CA 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Aerosol Extinction* = 41 Mm⁻¹ (25 to 249 Mm⁻¹)

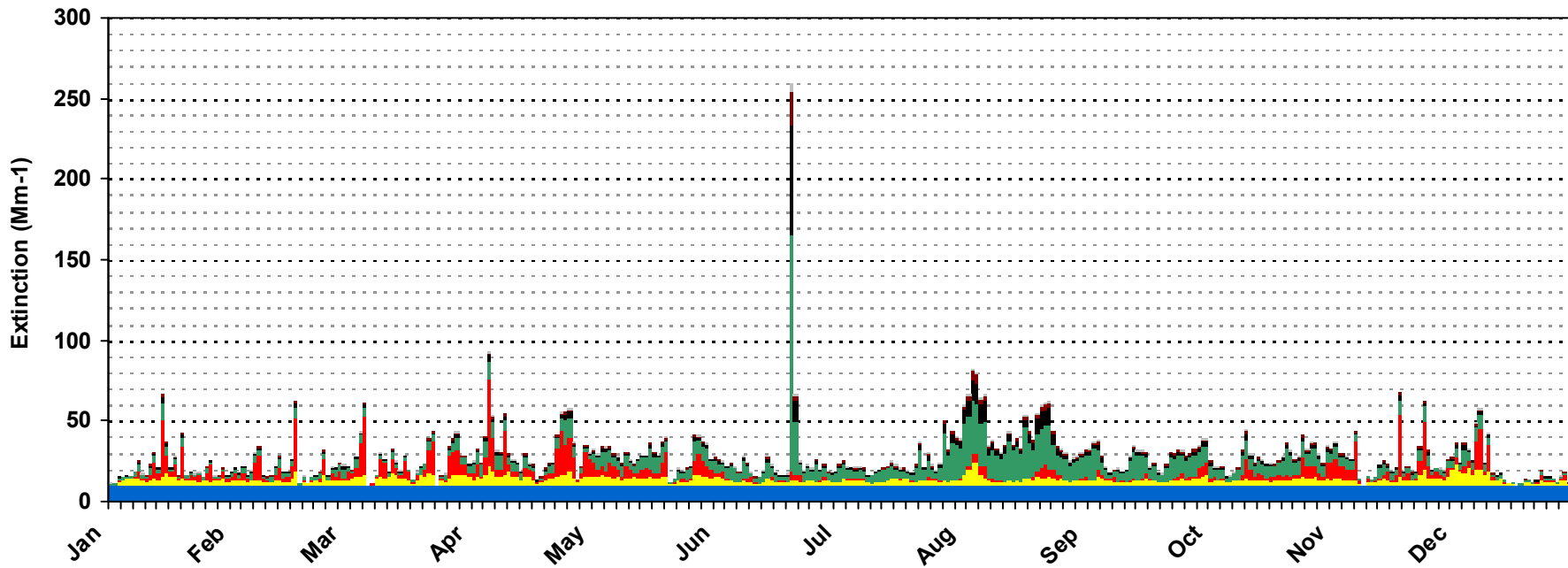


20% Best Visibility Days
Aerosol Extinction* = 5 Mm⁻¹ (0 to 8 Mm⁻¹)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

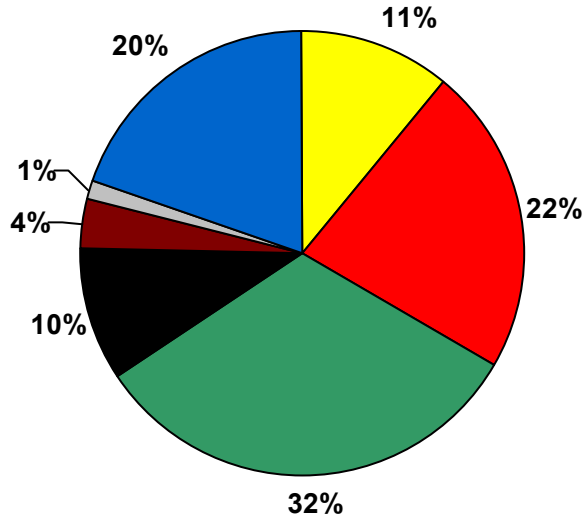
*Excludes Rayleigh Extinction



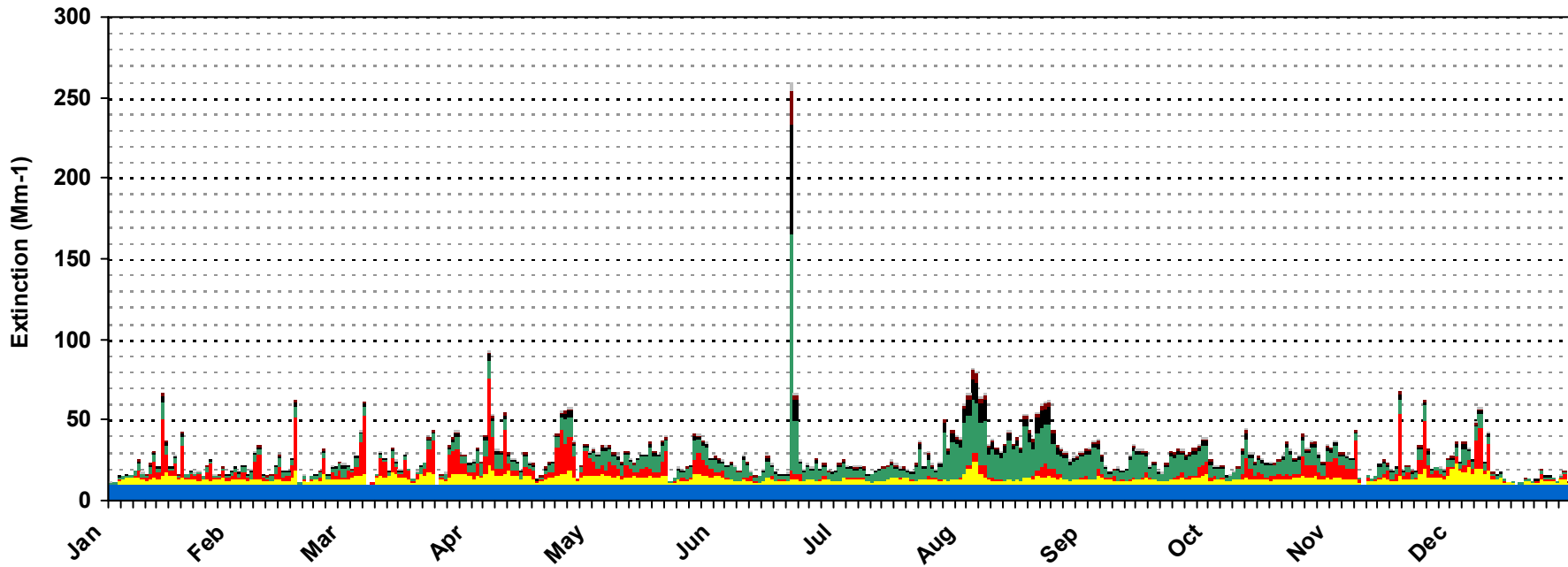
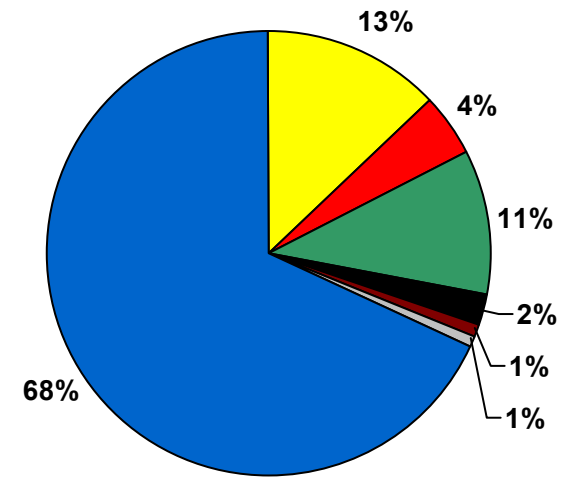
MODEL RESULTS

Mokelumne Wilderness Area, CA 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 51 Mm-1 (35 to 259 Mm-1)



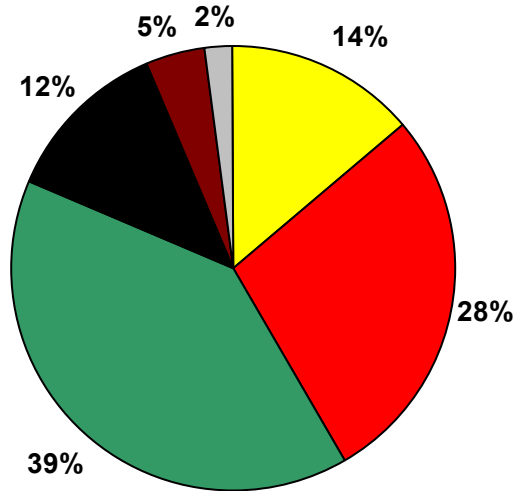
20% Best Visibility Days
Total Extinction = 15 Mm-1 (10 to 18 Mm-1)



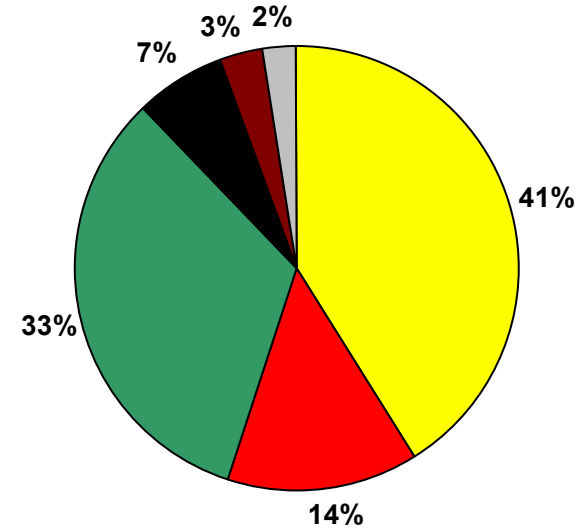
MODEL RESULTS

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 41 Mm-1 (25 to 249 Mm-1)

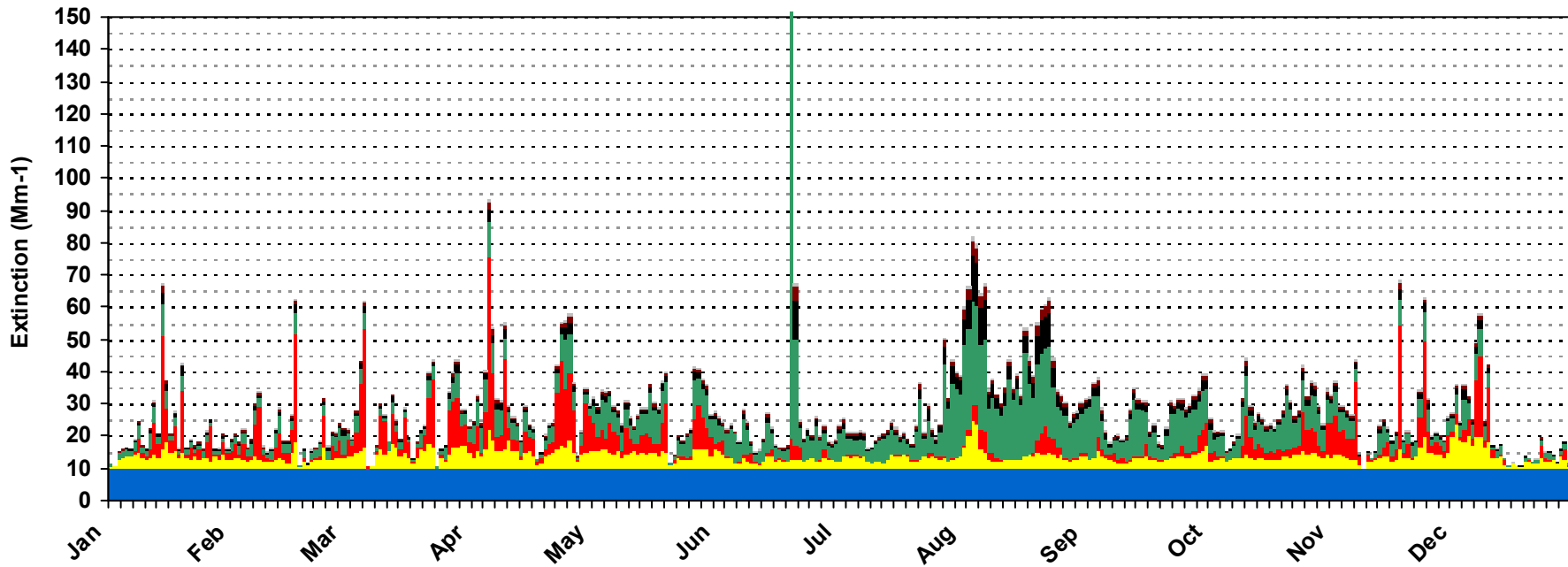


20% Best Visibility Days
Aerosol Extinction* = 5 Mm-1 (0 to 8 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh

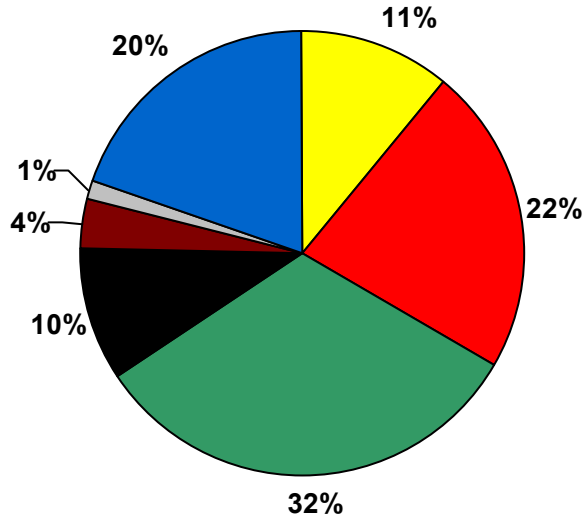
*Excludes Rayleigh Extinction



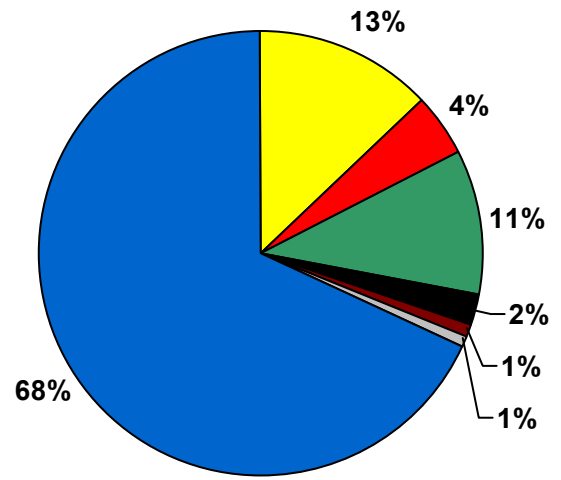
MODEL RESULTS

**Mokelumne Wilderness Area, CA
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

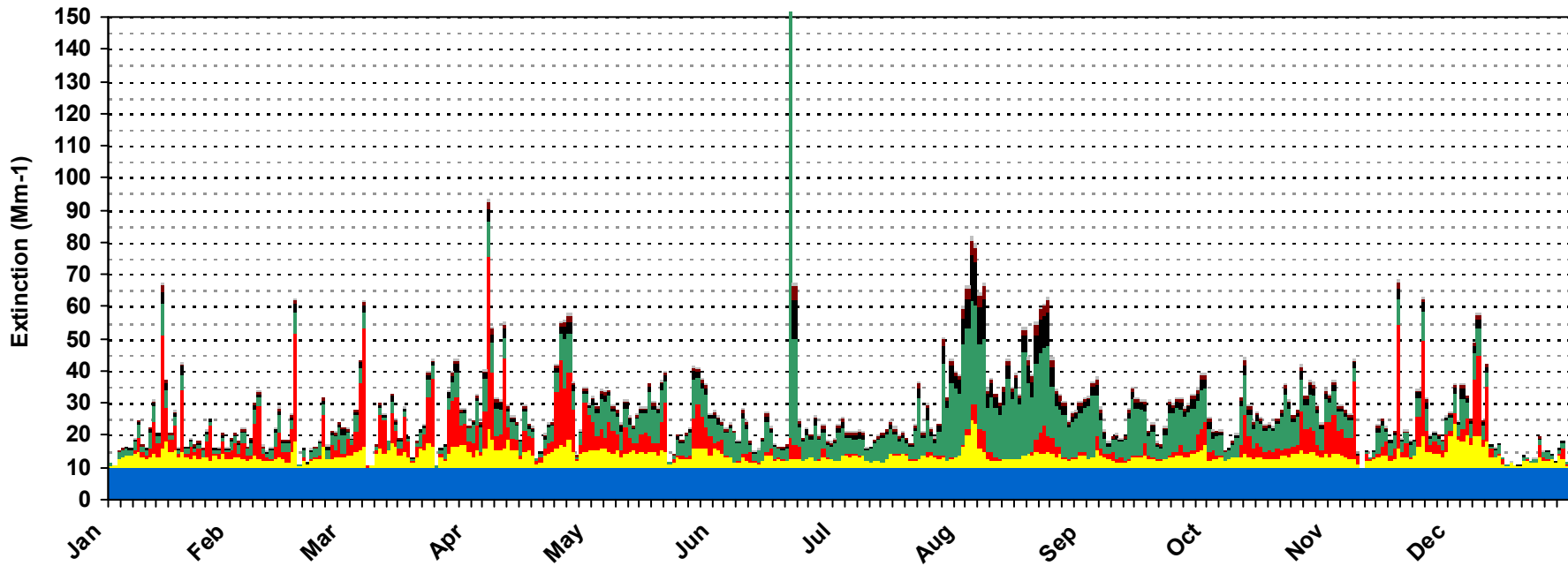
20% Worst Visibility Days
Total Extinction = 51 Mm-1 (35 to 259 Mm-1)



20% Best Visibility Days
Total Extinction = 15 Mm-1 (10 to 18 Mm-1)



- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



MODEL RESULTS

Mokelumne Wilderness Area, CA 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	50.7 (16.2 dv)	34.8 (12.5 dv)	259.4 (32.6 dv)
Aerosol Extinction*:	40.7	24.8	249.4
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	5.7	11%	14%
Ammonium Nitrate:	11.3	22%	28%
Organic Material:	16.2	32%	40%
Elemental Carbon:	4.9	10%	12%
Soil:	1.9	4%	5%
Coarse Material:	0.7	1%	2%
Rayleigh:	10.0	20%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	14.7 (3.9 dv)	10.0 (0.0 dv)	17.9 (5.8 dv)
Aerosol Extinction*:	4.7	0.0	7.9
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.9	13%	41%
Ammonium Nitrate:	0.6	4%	14%
Organic Material:	1.5	11%	33%
Elemental Carbon:	0.3	2%	7%
Soil:	0.2	1%	3%
Coarse Material:	0.1	1%	2%
Rayleigh:	10.0	68%	N/A

*Excludes Rayleigh Extinction