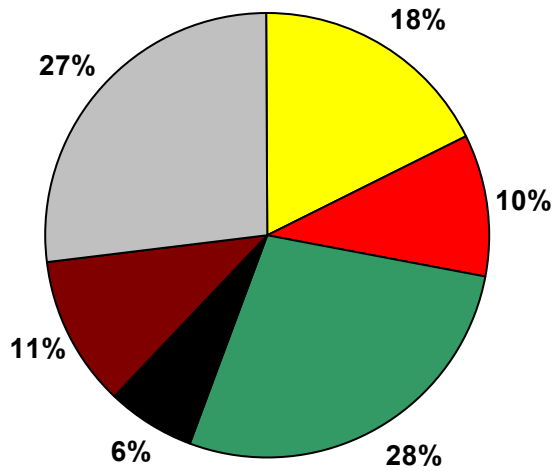


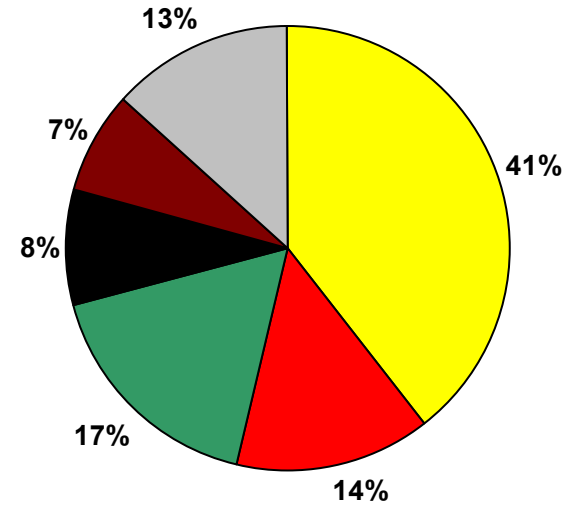
MONITORING DATA

**Mesa Verde National Park, CO
2002 Reconstructed Extinction
MEVE1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 36 Mm-1 (22 to 62 Mm-1)

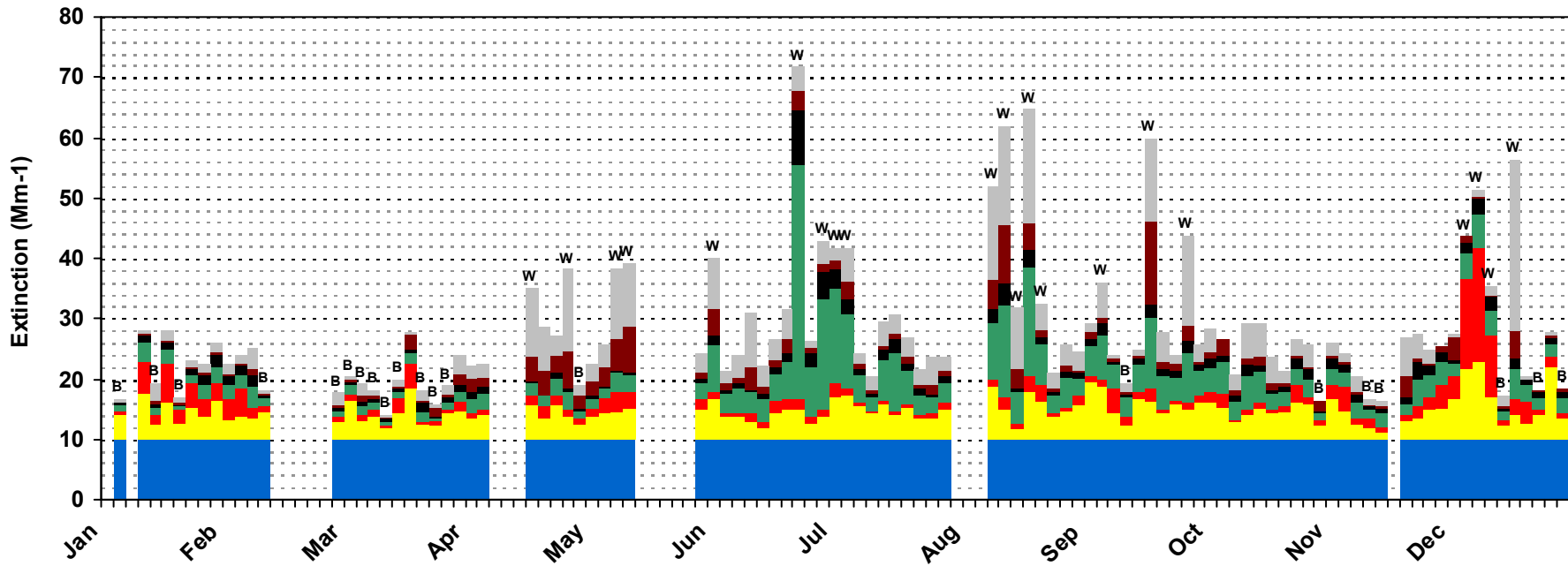


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (4 to 10 Mm-1)



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

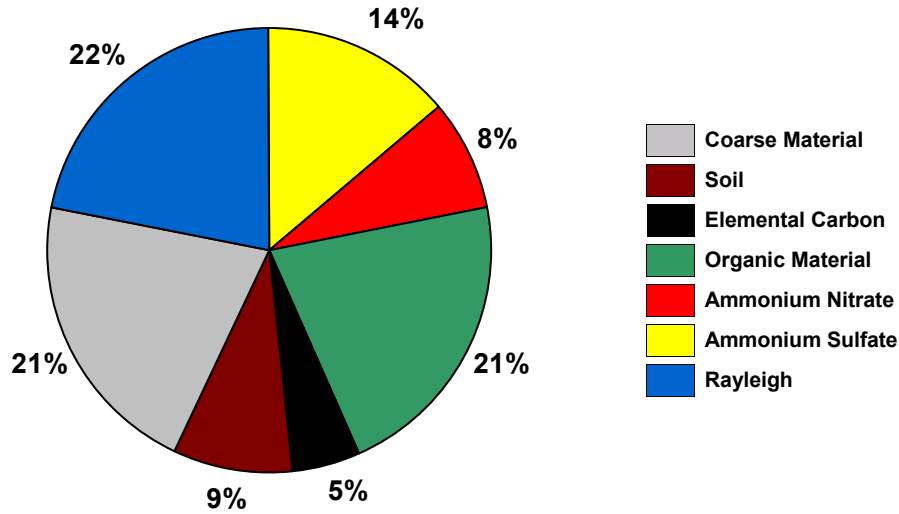
*Excludes Rayleigh Extinction



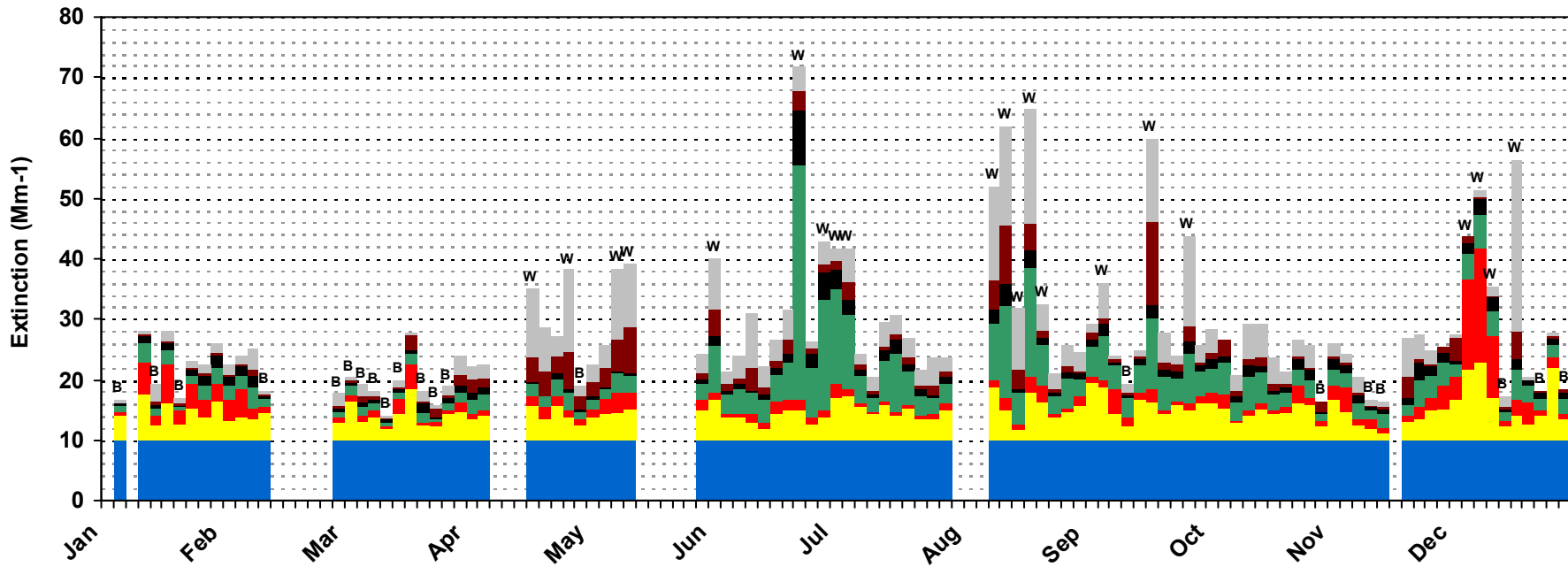
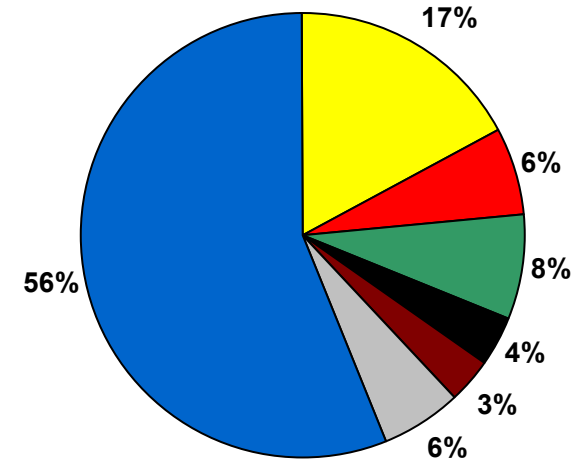
MONITORING DATA

**Mesa Verde National Park, CO
2002 Reconstructed Extinction
MEVE1 Monitoring Data (every third day)**

20% Worst Visibility Days
Total Extinction = 46 Mm-1 (32 to 72 Mm-1)



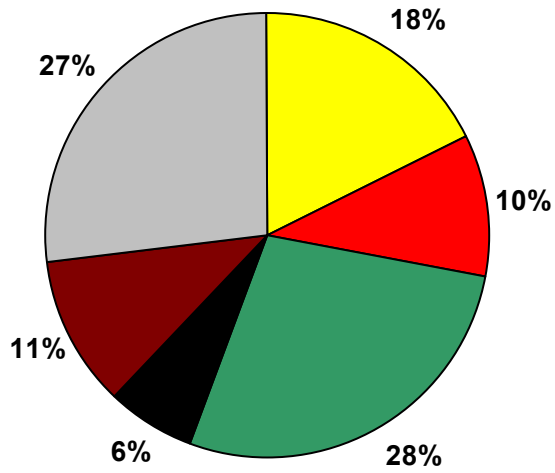
20% Best Visibility Days
Total Extinction = 18 Mm-1 (14 to 20 Mm-1)



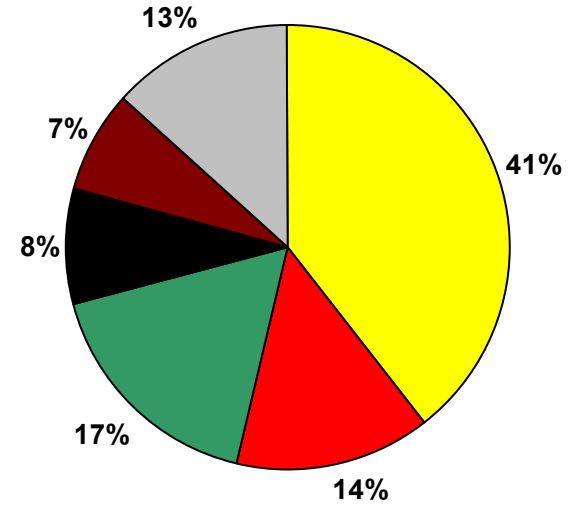
MONITORING DATA

**Mesa Verde National Park, CO
2002 Reconstructed Extinction
MEVE1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 36 Mm-1 (22 to 62 Mm-1)

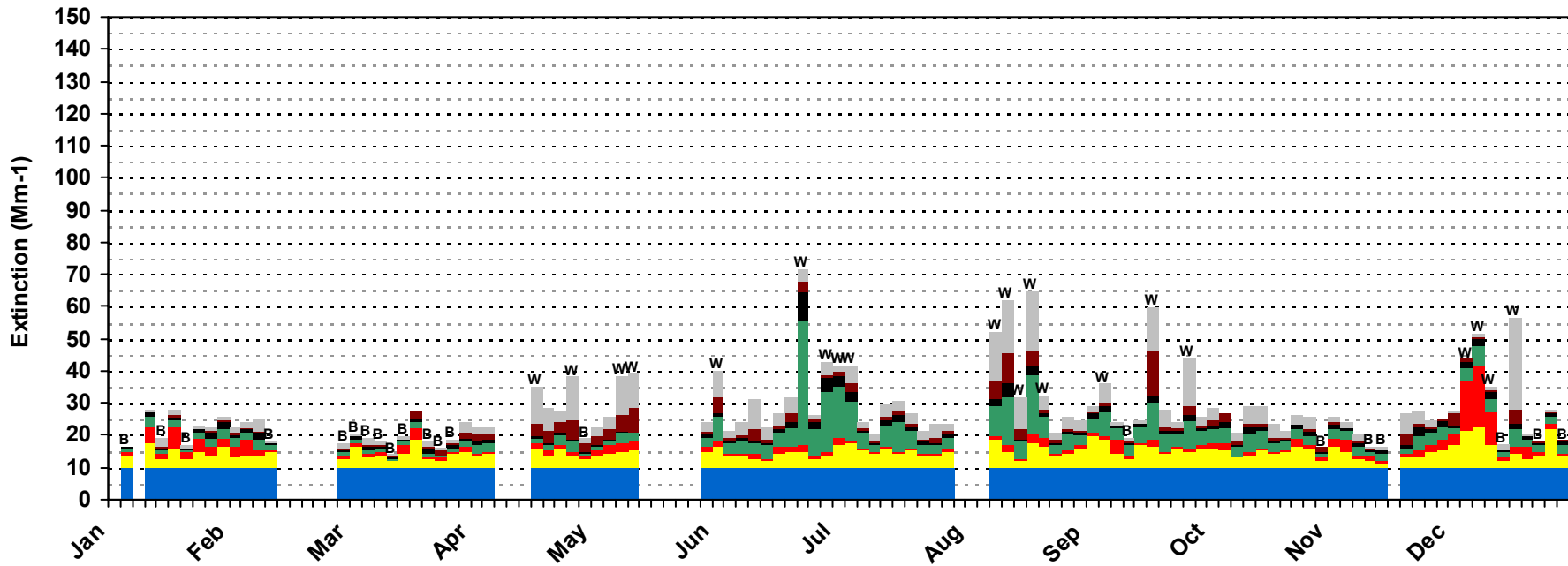


20% Best Visibility Days
Aerosol Extinction* = 8 Mm-1 (4 to 10 Mm-1)



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

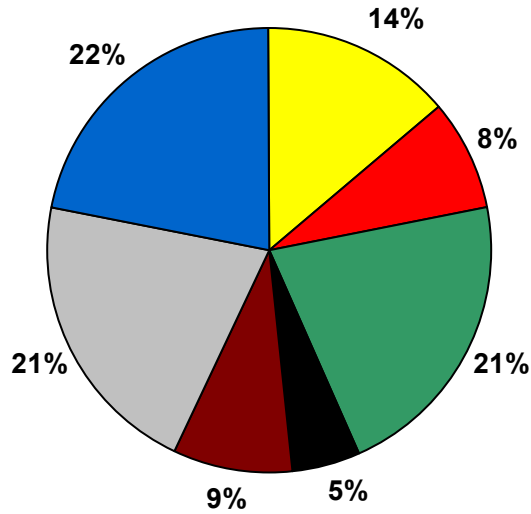
*Excludes Rayleigh Extinction



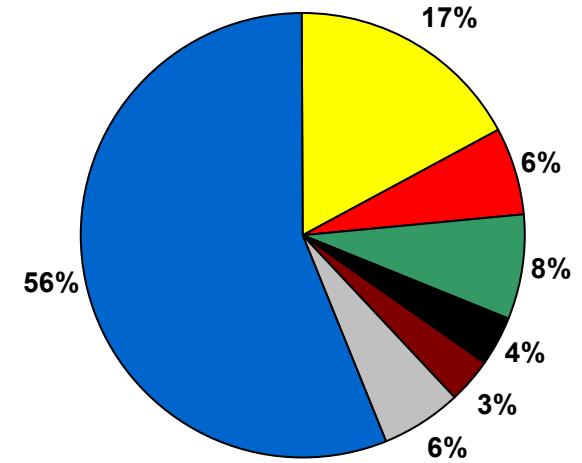
MONITORING DATA

**Mesa Verde National Park, CO
2002 Reconstructed Extinction
MEVE1 Monitoring Data (every third day)**

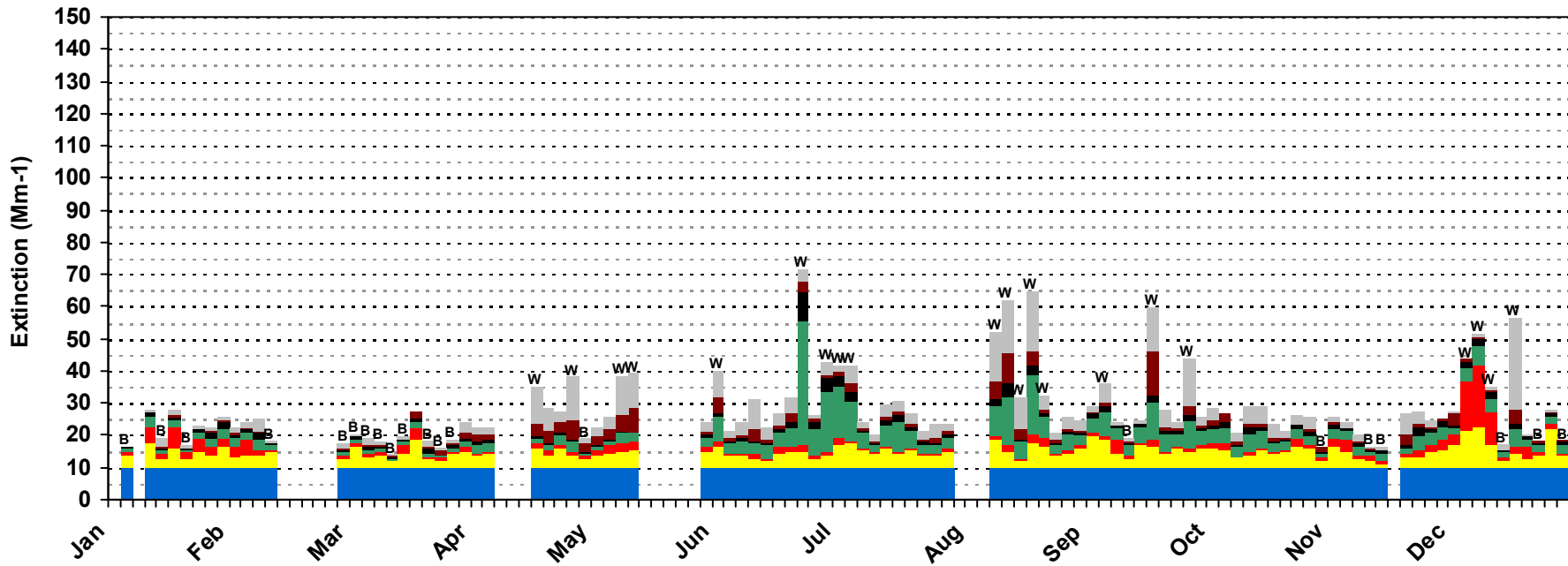
20% Worst Visibility Days
Total Extinction = 46 Mm-1 (32 to 72 Mm-1)



20% Best Visibility Days
Total Extinction = 18 Mm-1 (14 to 20 Mm-1)



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



MONITORING DATA

Mesa Verde National Park, CO 2002 Reconstructed Extinction Values MEVE1 Monitoring Data (every third day)

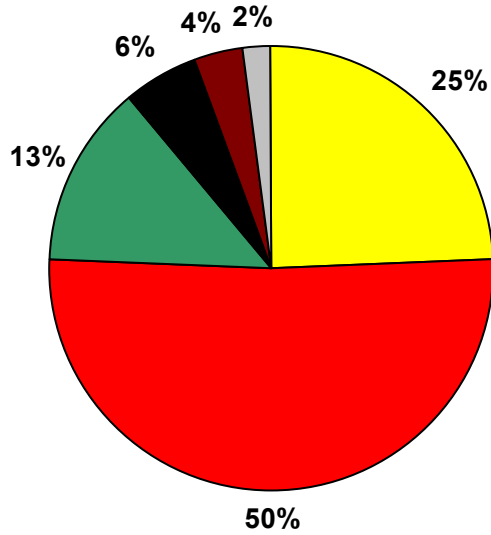
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	45.6 (15.2 dv)	31.7 (11.5 dv)	71.7 (19.7 dv)
Aerosol Extinction*:	35.6	21.7	61.7
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	6.3	14%	18%
Ammonium Nitrate:	3.6	8%	10%
Organic Material:	9.8	21%	27%
Elemental Carbon:	2.3	5%	6%
Soil:	4.0	9%	11%
Coarse Material:	9.6	21%	27%
Rayleigh:	10.0	22%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	17.8 (5.8 dv)	14.1 (3.4 dv)	20.3 (7.1 dv)
Aerosol Extinction*:	7.8	4.1	10.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	3.1	17%	40%
Ammonium Nitrate:	1.1	6%	14%
Organic Material:	1.3	8%	17%
Elemental Carbon:	0.7	4%	8%
Soil:	0.6	3%	7%
Coarse Material:	1.0	6%	13%
Rayleigh:	10.0	56%	N/A

*Excludes Rayleigh Extinction

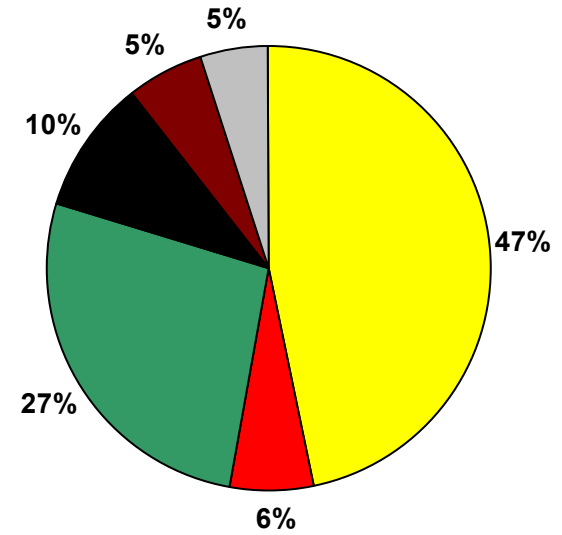
MODEL RESULTS

Mesa Verde National Park, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Aerosol Extinction* = 39 Mm-1 (28 to 77 Mm-1)

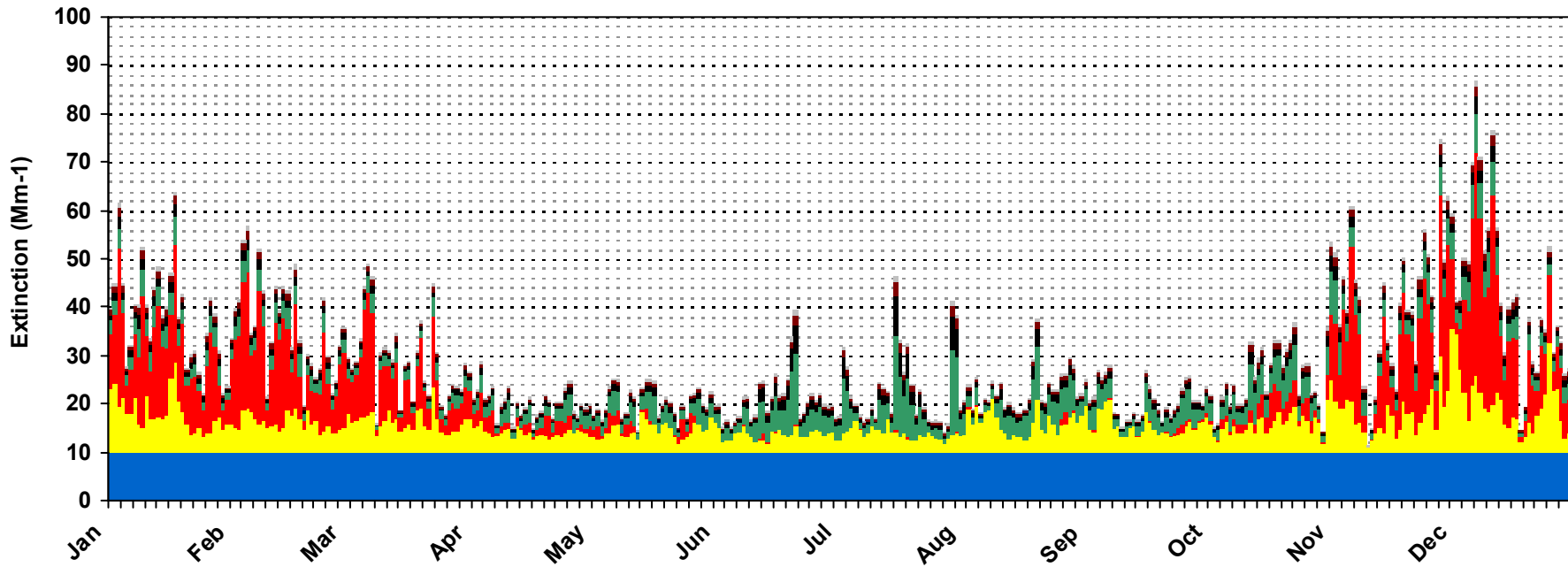


20% Best Visibility Days
Aerosol Extinction* = 7 Mm-1 (1 to 9 Mm-1)



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

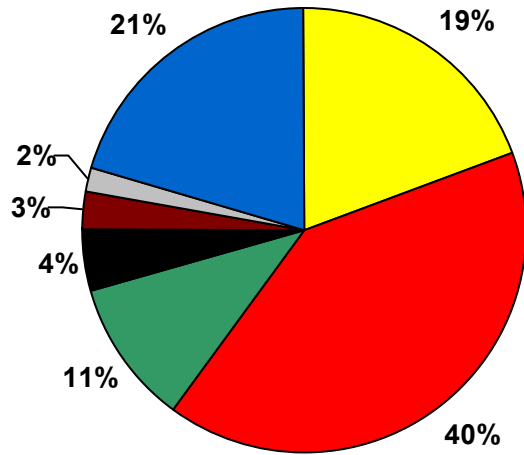
*Excludes Rayleigh Extinction



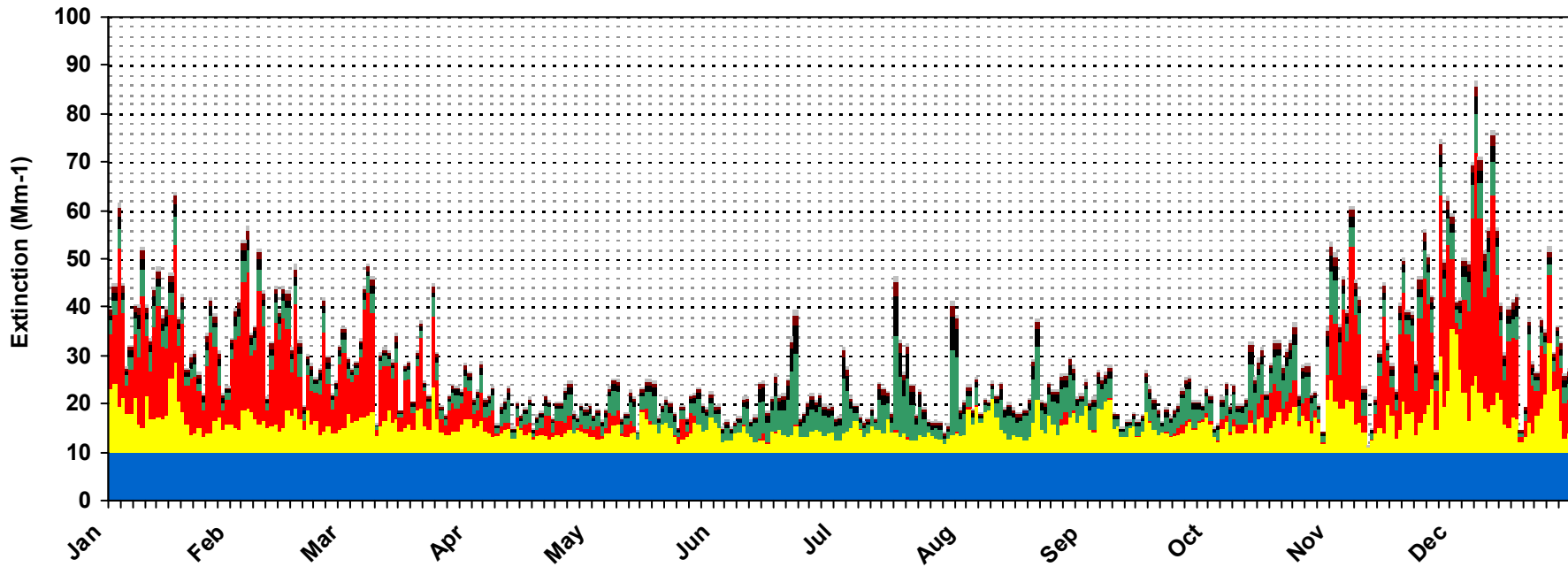
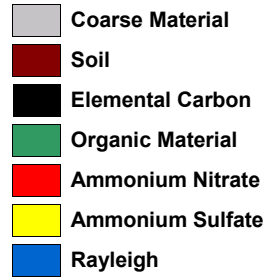
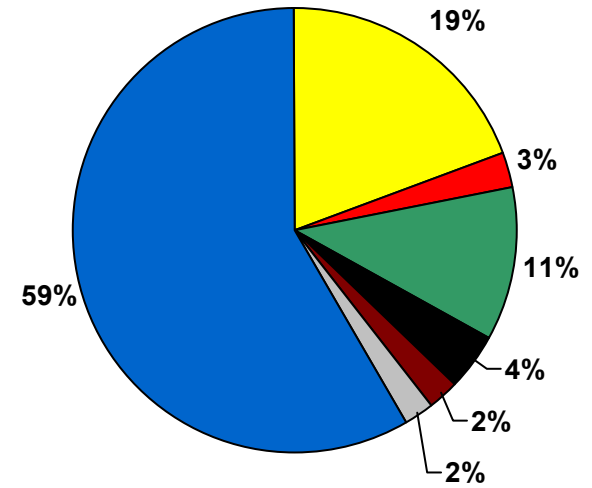
MODEL RESULTS

Mesa Verde National Park, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 49 Mm-1 (38 to 87 Mm-1)



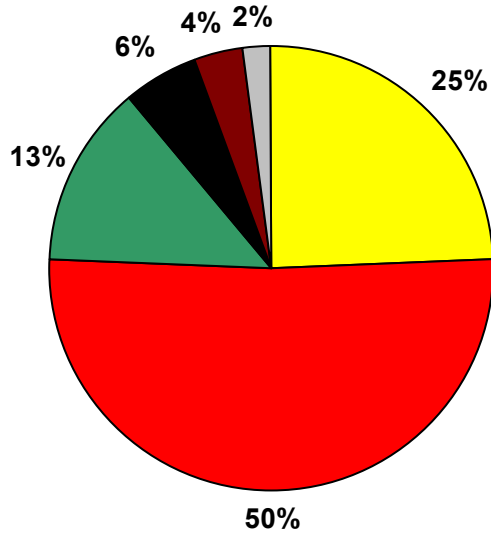
20% Best Visibility Days
Total Extinction = 17 Mm-1 (11 to 19 Mm-1)



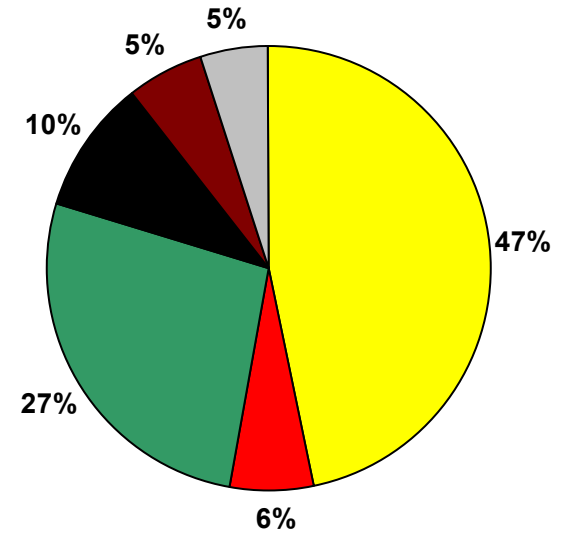
MODEL RESULTS

**Mesa Verde National Park, CO
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 39 Mm-1 (28 to 77 Mm-1)

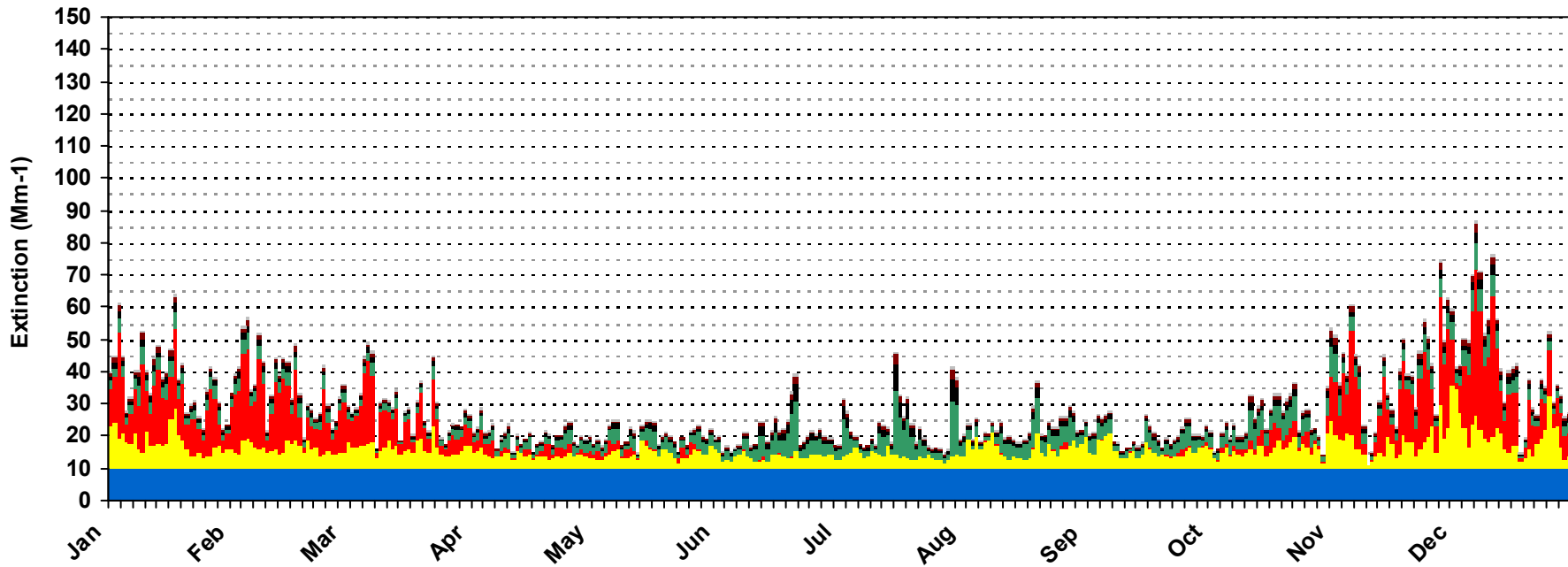


20% Best Visibility Days
Aerosol Extinction* = 7 Mm-1 (1 to 9 Mm-1)



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

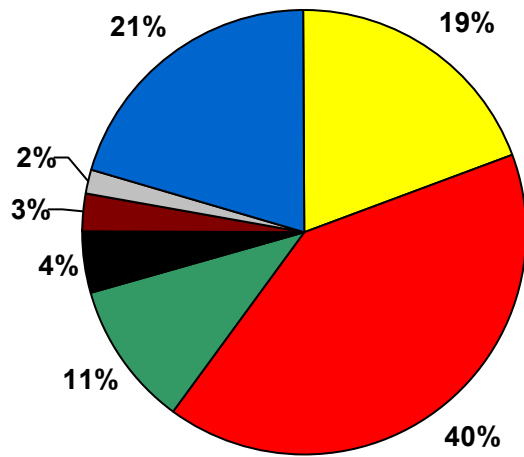
*Excludes Rayleigh Extinction



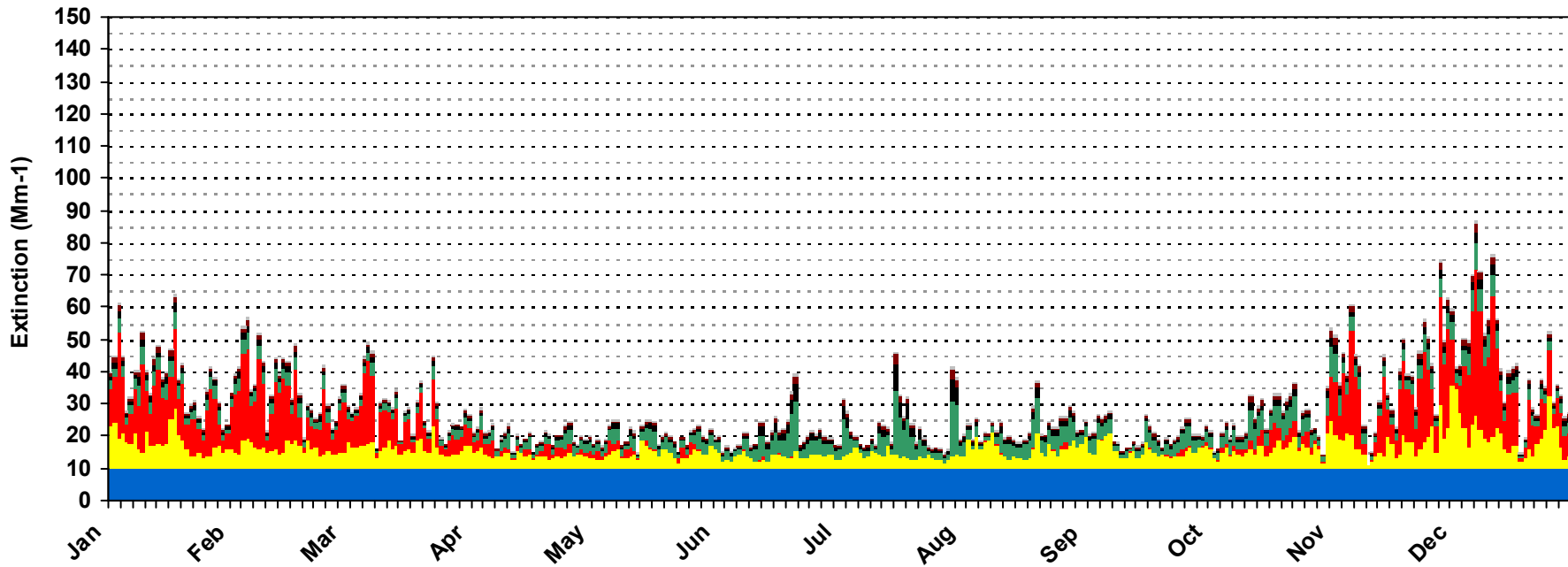
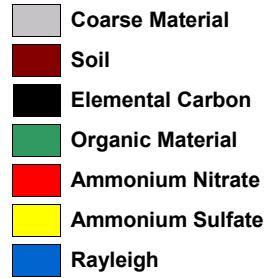
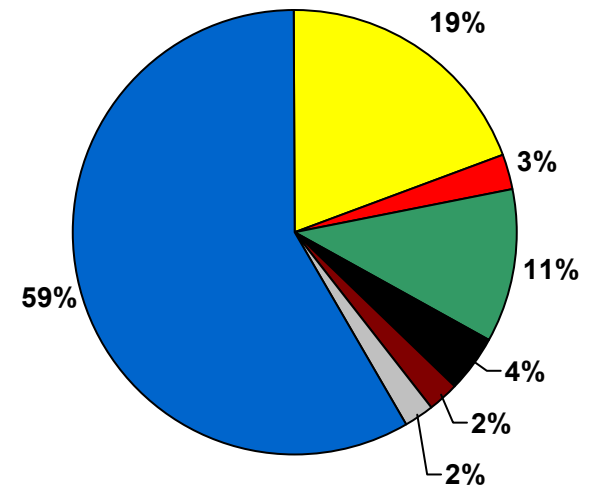
MODEL RESULTS

Mesa Verde National Park, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 49 Mm-1 (38 to 87 Mm-1)



20% Best Visibility Days
Total Extinction = 17 Mm-1 (11 to 19 Mm-1)



MODEL RESULTS

Mesa Verde National Park, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	48.5 (15.8 dv)	38.2 (13.4 dv)	86.8 (21.6 dv)
Aerosol Extinction*:	38.5	28.2	76.8
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	9.4	19%	25%
Ammonium Nitrate:	19.6	40%	51%
Organic Material:	5.2	11%	13%
Elemental Carbon:	2.1	4%	6%
Soil:	1.4	3%	4%
Coarse Material:	0.8	2%	2%
Rayleigh:	10.0	21%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	17.1 (5.4 dv)	11.2 (1.1 dv)	19.3 (6.6 dv)
Aerosol Extinction*:	7.1	1.2	9.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	3.3	19%	47%
Ammonium Nitrate:	0.4	3%	6%
Organic Material:	1.9	11%	27%
Elemental Carbon:	0.7	4%	10%
Soil:	0.4	2%	5%
Coarse Material:	0.4	2%	5%
Rayleigh:	10.0	58%	N/A

*Excludes Rayleigh Extinction