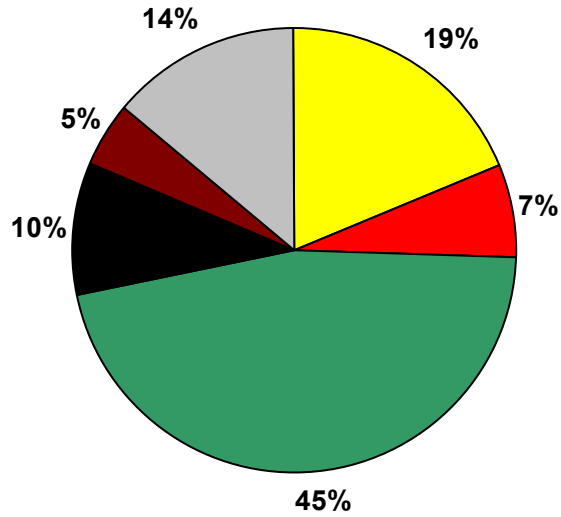


MONITORING DATA

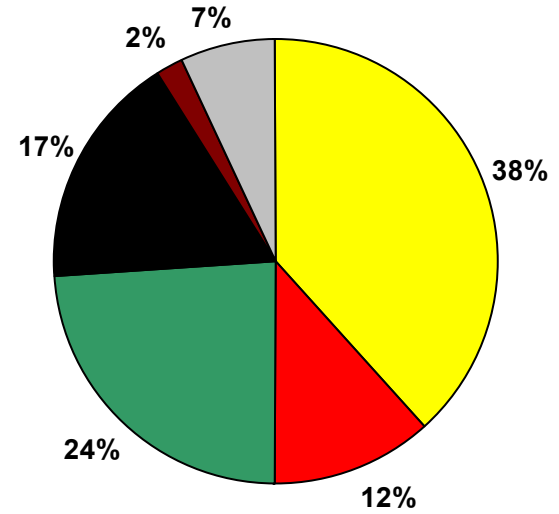
**Flat Tops Wilderness Area, CO
2002 Reconstructed Extinction**

WHR11 Monitoring Data (every third day)

20% Worst Visibility Days
Aerosol Extinction* = 26 Mm⁻¹ (15 to 69 Mm⁻¹)

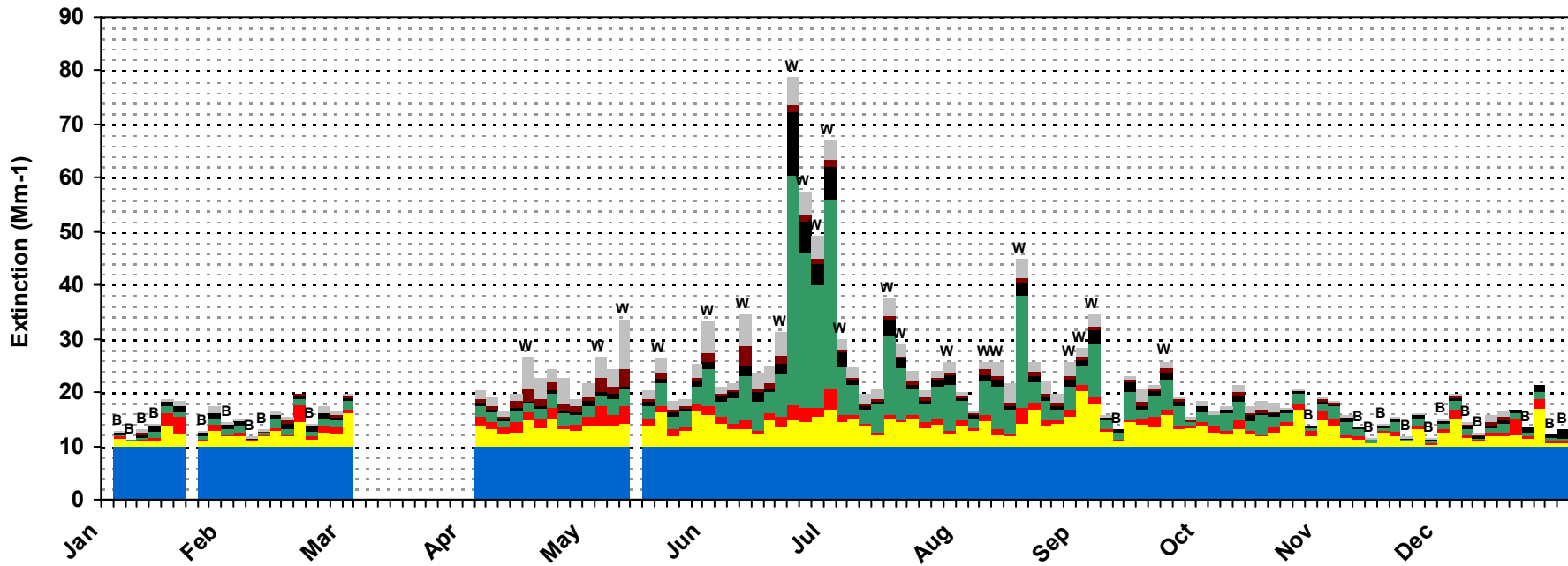


20% Best Visibility Days
Aerosol Extinction* = 3 Mm⁻¹ (1 to 5 Mm⁻¹)



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

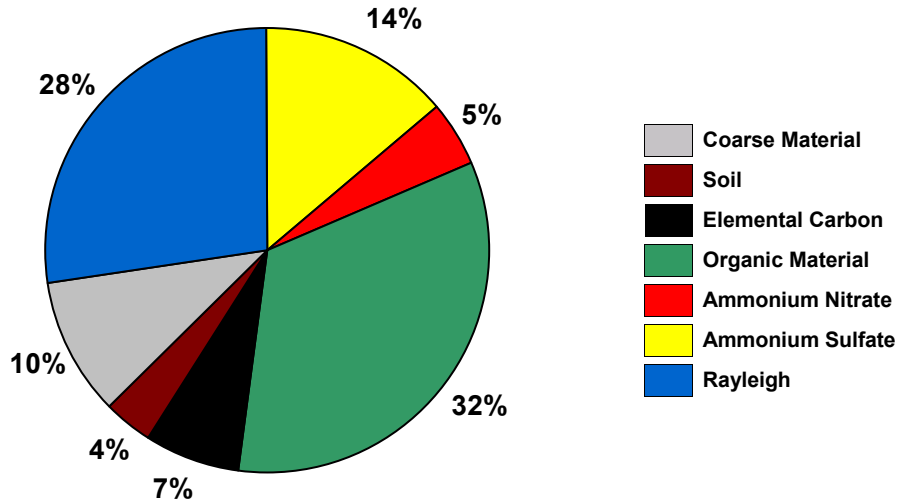
*Excludes Rayleigh Extinction



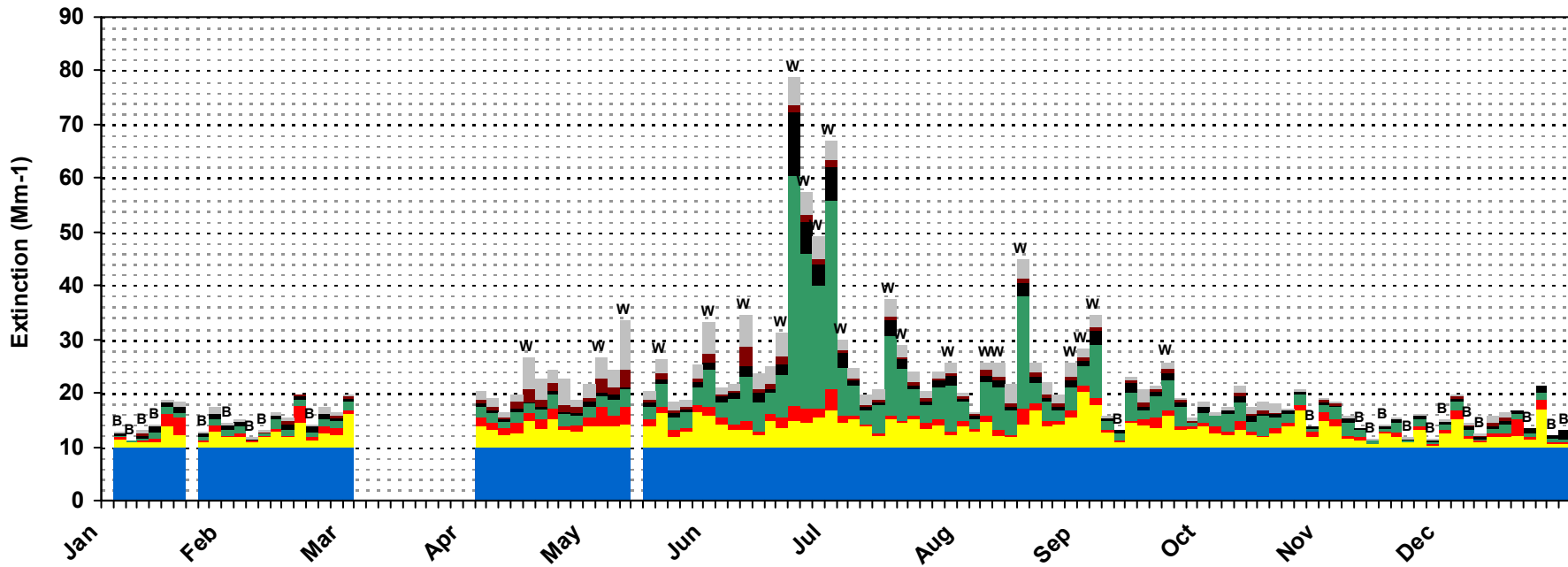
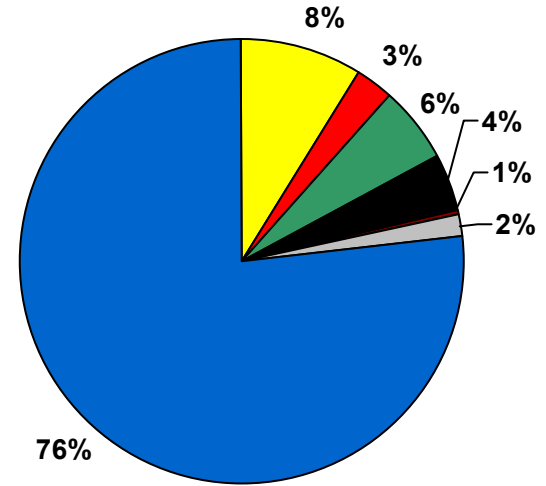
MONITORING DATA

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction WHR11 Monitoring Data (every third day)

20% Worst Visibility Days
Total Extinction = 36 Mm-1 (25 to 79 Mm-1)



20% Best Visibility Days
Total Extinction = 13 Mm-1 (11 to 15 Mm-1)

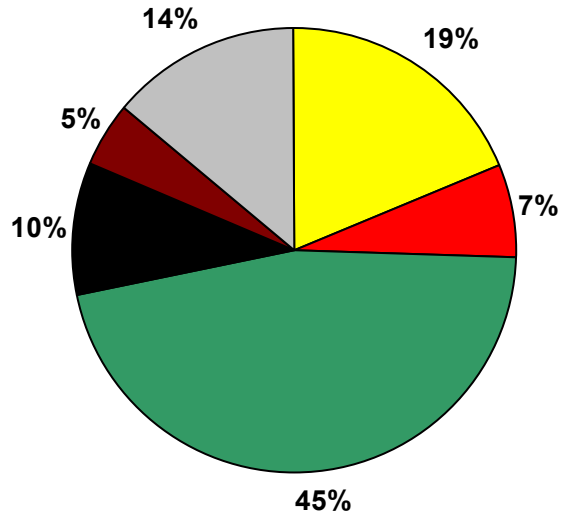


MONITORING DATA

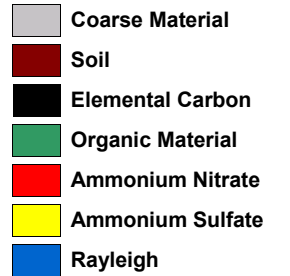
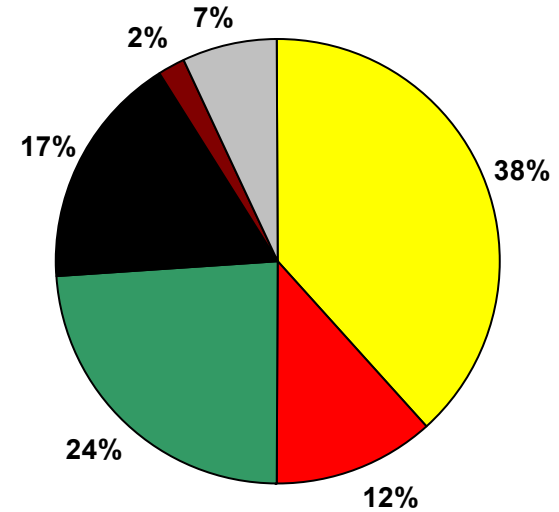
Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction

WHR11 Monitoring Data (every third day)

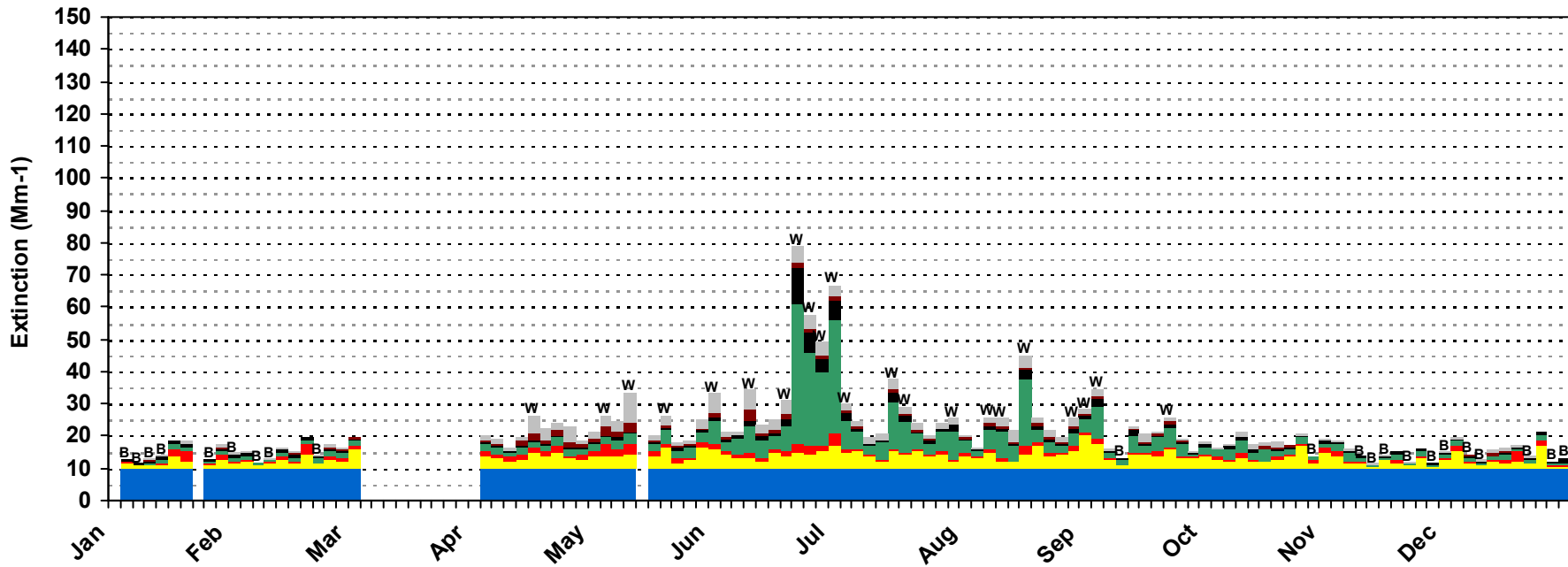
20% Worst Visibility Days
Aerosol Extinction* = 26 Mm⁻¹ (15 to 69 Mm⁻¹)



20% Best Visibility Days
Aerosol Extinction* = 3 Mm⁻¹ (1 to 5 Mm⁻¹)



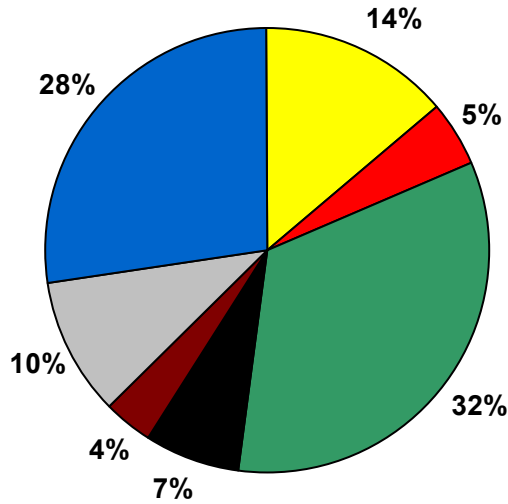
*Excludes Rayleigh Extinction



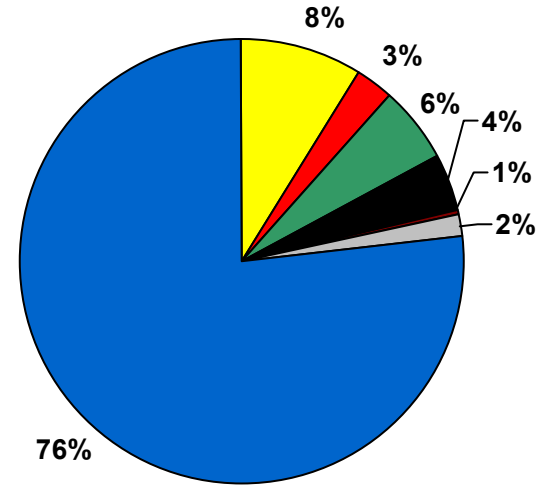
MONITORING DATA

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction WHR11 Monitoring Data (every third day)

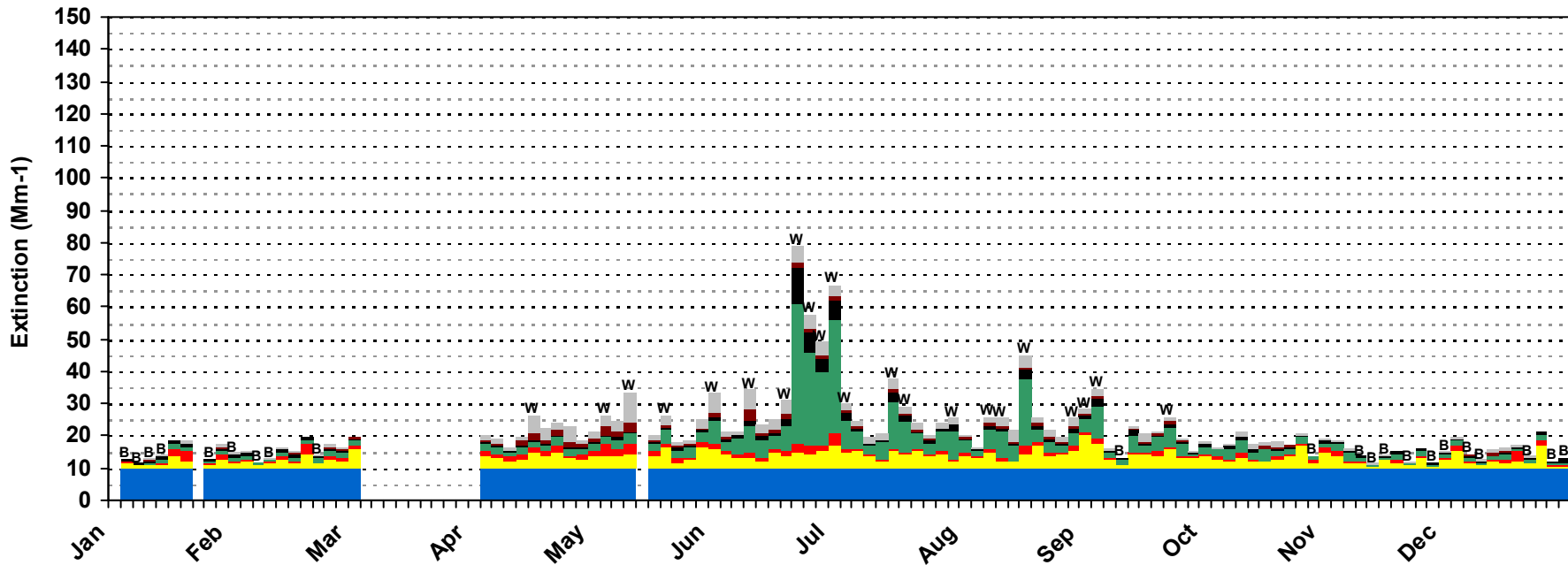
20% Worst Visibility Days
Total Extinction = 36 Mm-1 (25 to 79 Mm-1)



20% Best Visibility Days
Total Extinction = 13 Mm-1 (11 to 15 Mm-1)



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



MONITORING DATA

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction Values WHRI1 Monitoring Data (every third day)

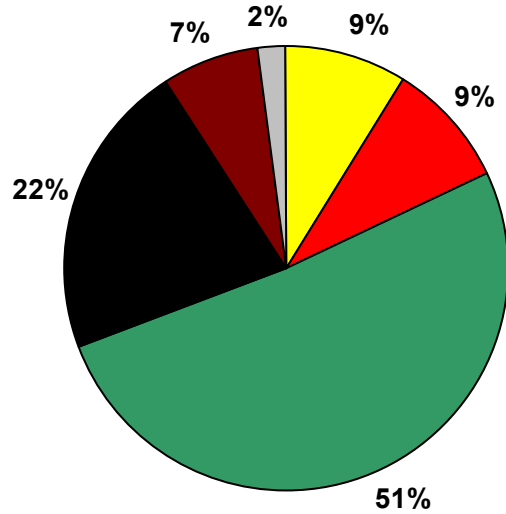
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	36.2 (12.9 dv)	25.5 (9.3 dv)	78.8 (20.6 dv)
Aerosol Extinction*:	26.2	15.5	68.8
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	5.0	14%	19%
Ammonium Nitrate:	1.7	5%	7%
Organic Material:	12.1	33%	46%
Elemental Carbon:	2.5	7%	10%
Soil:	1.3	4%	5%
Coarse Material:	3.6	10%	14%
Rayleigh:	10.0	28%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	13.1 (2.7 dv)	11.2 (1.2 dv)	15.2 (4.2 dv)
Aerosol Extinction*:	3.1	1.2	5.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.2	9%	38%
Ammonium Nitrate:	0.4	3%	12%
Organic Material:	0.7	6%	24%
Elemental Carbon:	0.5	4%	17%
Soil:	0.1	1%	2%
Coarse Material:	0.2	2%	7%
Rayleigh:	10.0	77%	N/A

*Excludes Rayleigh Extinction

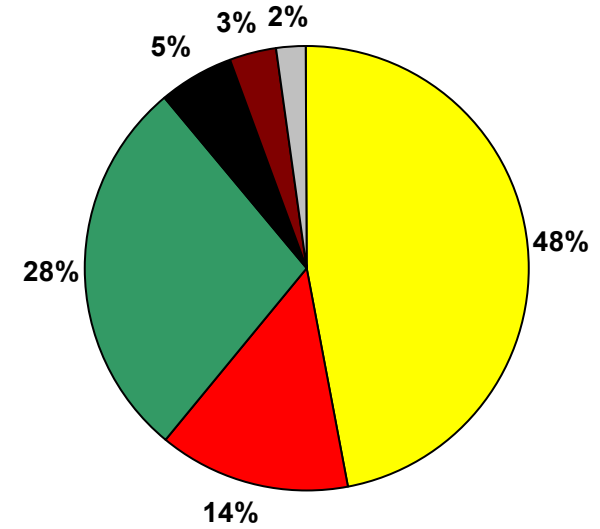
MODEL RESULTS

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Aerosol Extinction* = 70 Mm-1 (22 to 699 Mm-1)

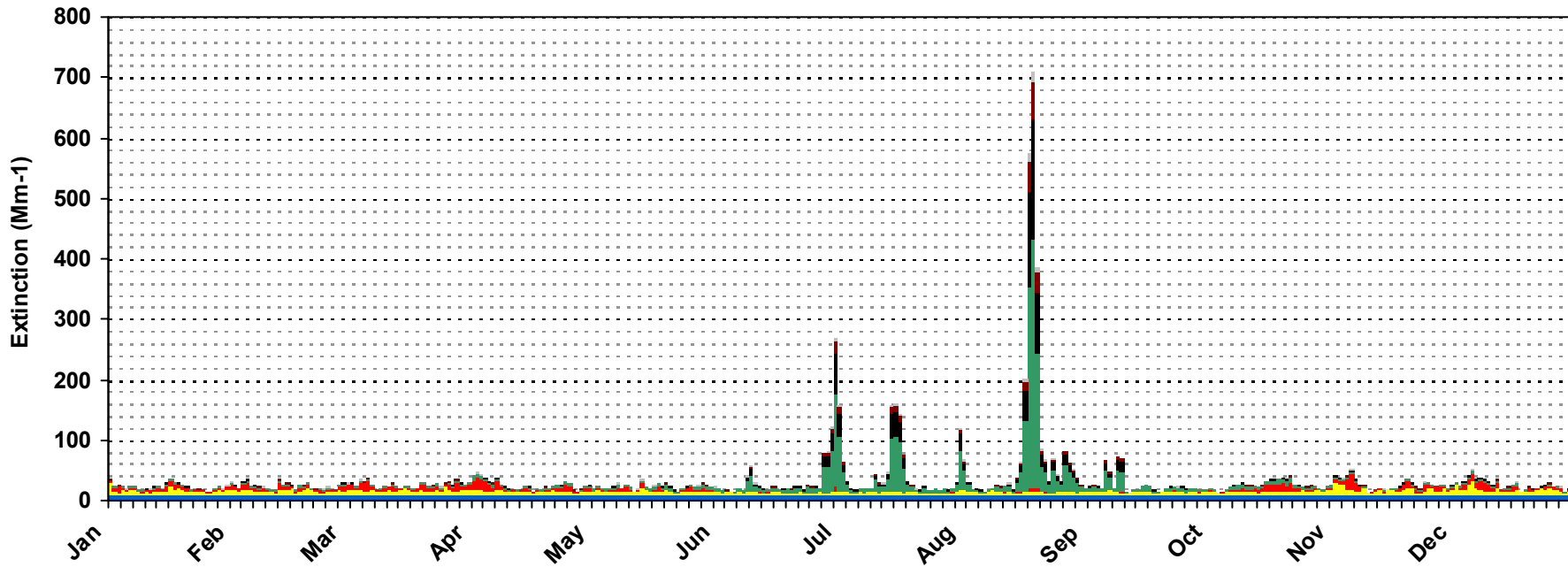


20% Best Visibility Days
Aerosol Extinction* = 7 Mm-1 (1 to 9 Mm-1)



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

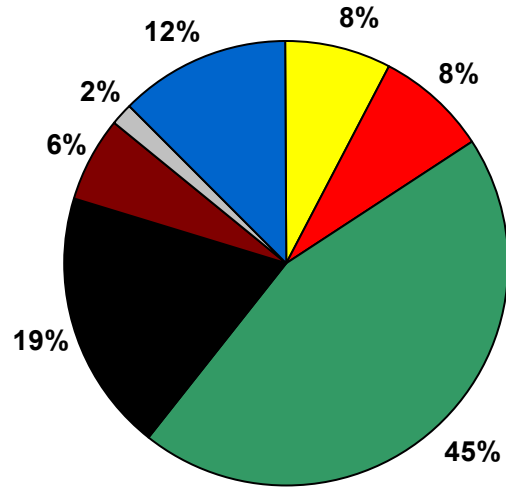
*Excludes Rayleigh Extinction



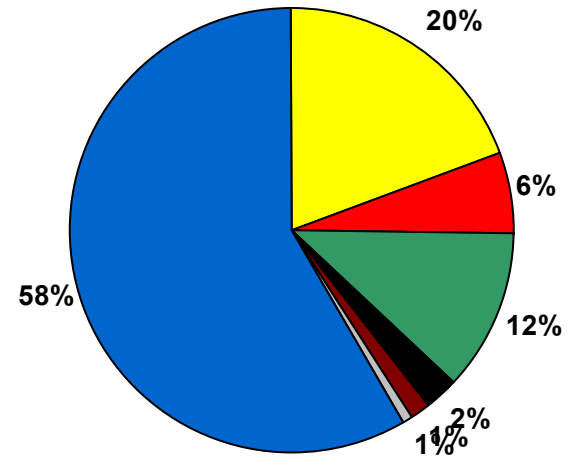
MODEL RESULTS

**Flat Tops Wilderness Area, CO
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

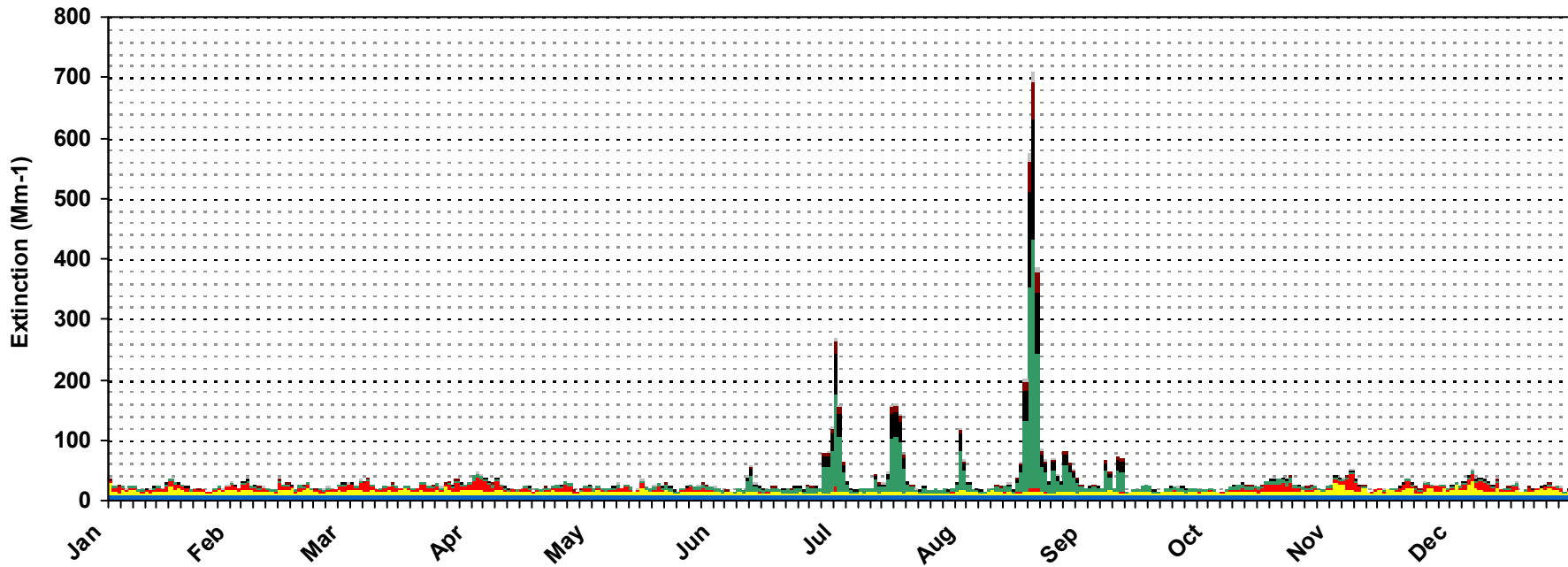
20% Worst Visibility Days
Total Extinction = 80 Mm-1 (32 to 709 Mm-1)



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



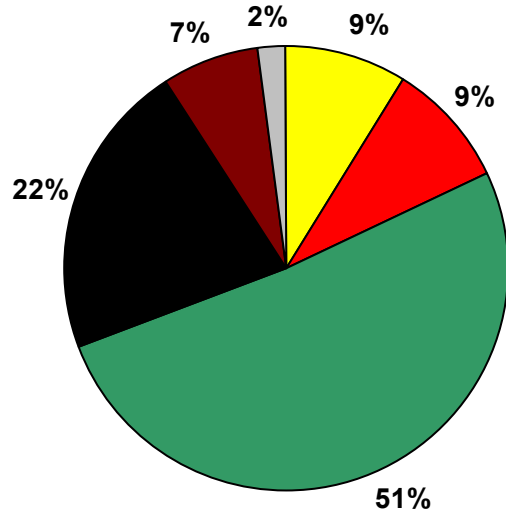
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



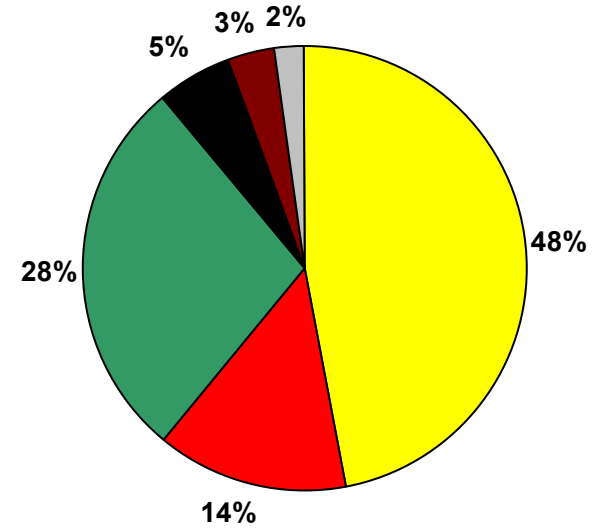
MODEL RESULTS

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Aerosol Extinction* = 70 Mm⁻¹ (22 to 699 Mm⁻¹)

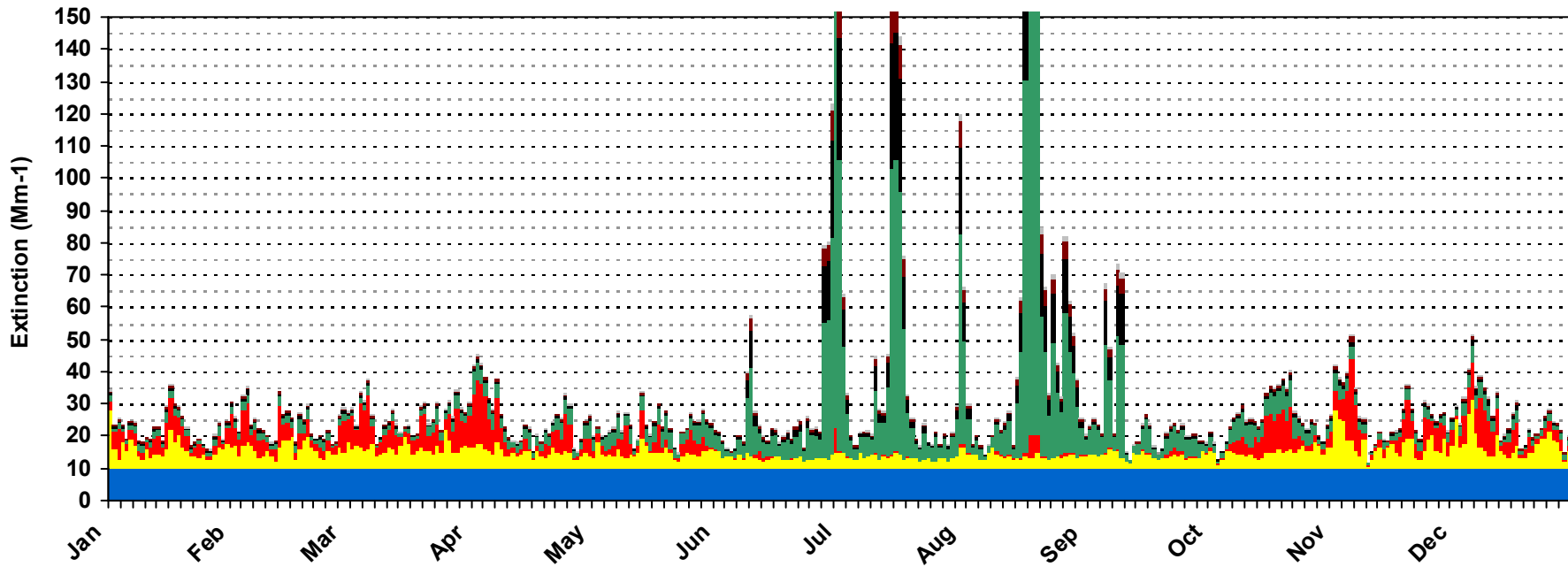


20% Best Visibility Days
Aerosol Extinction* = 7 Mm⁻¹ (1 to 9 Mm⁻¹)



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

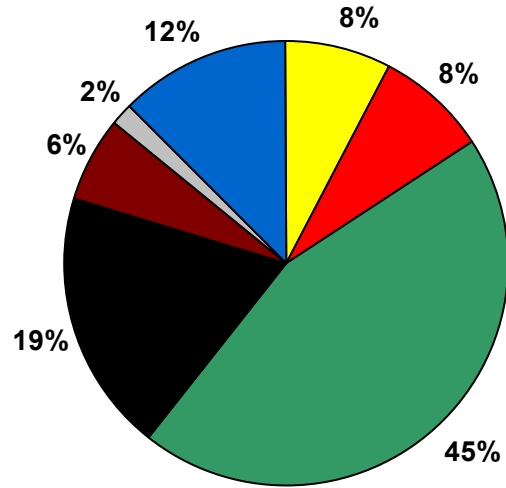
*Excludes Rayleigh Extinction



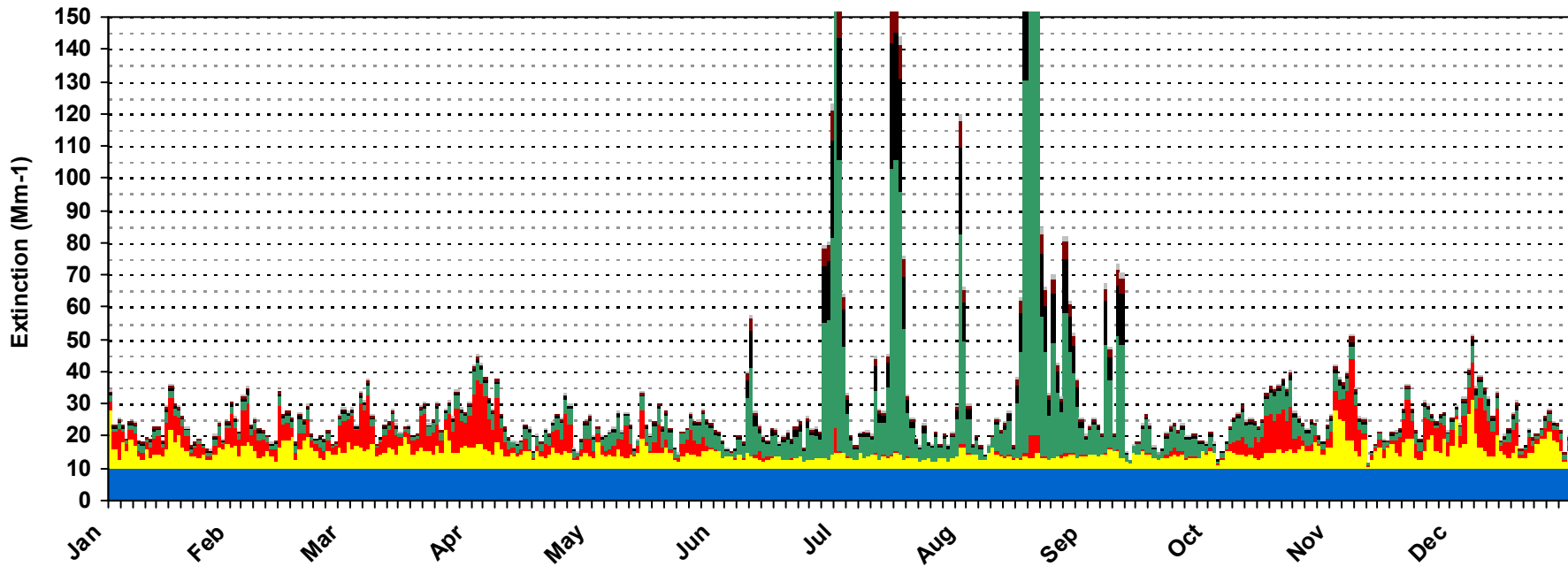
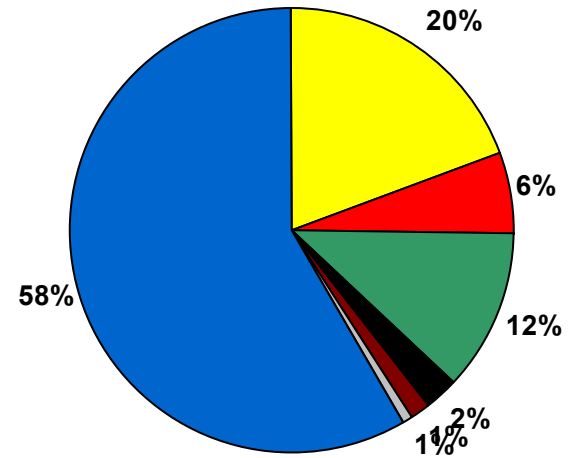
MODEL RESULTS

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 80 Mm-1 (32 to 709 Mm-1)



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



MODEL RESULTS

Flat Tops Wilderness Area, CO 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	80.3 (20.8 dv)	32.3 (11.7 dv)	709.3 (42.6 dv)
Aerosol Extinction*:	70.3	22.3	699.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	6.2	8%	9%
Ammonium Nitrate:	6.4	8%	9%
Organic Material:	36.0	45%	51%
Elemental Carbon:	15.4	19%	22%
Soil:	5.0	6%	7%
Coarse Material:	1.4	2%	2%
Rayleigh:	10.0	12%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	17.1 (5.4 dv)	11.3 (1.2 dv)	19.2 (6.5 dv)
Aerosol Extinction*:	7.1	1.3	9.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	3.3	20%	47%
Ammonium Nitrate:	1.0	6%	14%
Organic Material:	2.0	12%	28%
Elemental Carbon:	0.4	2%	5%
Soil:	0.2	1%	3%
Coarse Material:	0.2	1%	2%
Rayleigh:	10.0	58%	N/A

*Excludes Rayleigh Extinction