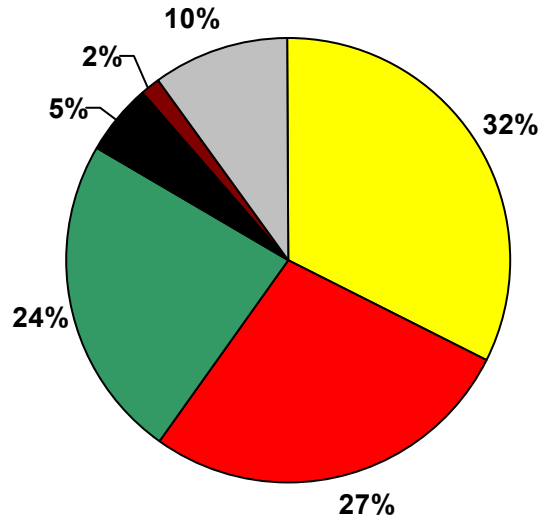


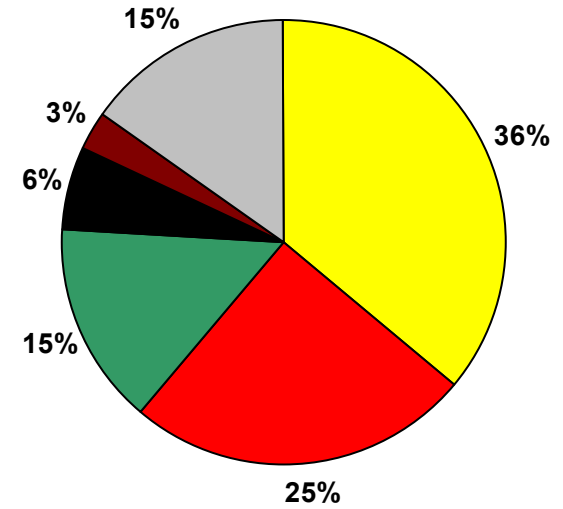
MONITORING DATA

**San Rafael Wilderness Area, CA
2002 Reconstructed Extinction
RAFA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 63 Mm-1 (54 to 111 Mm-1)

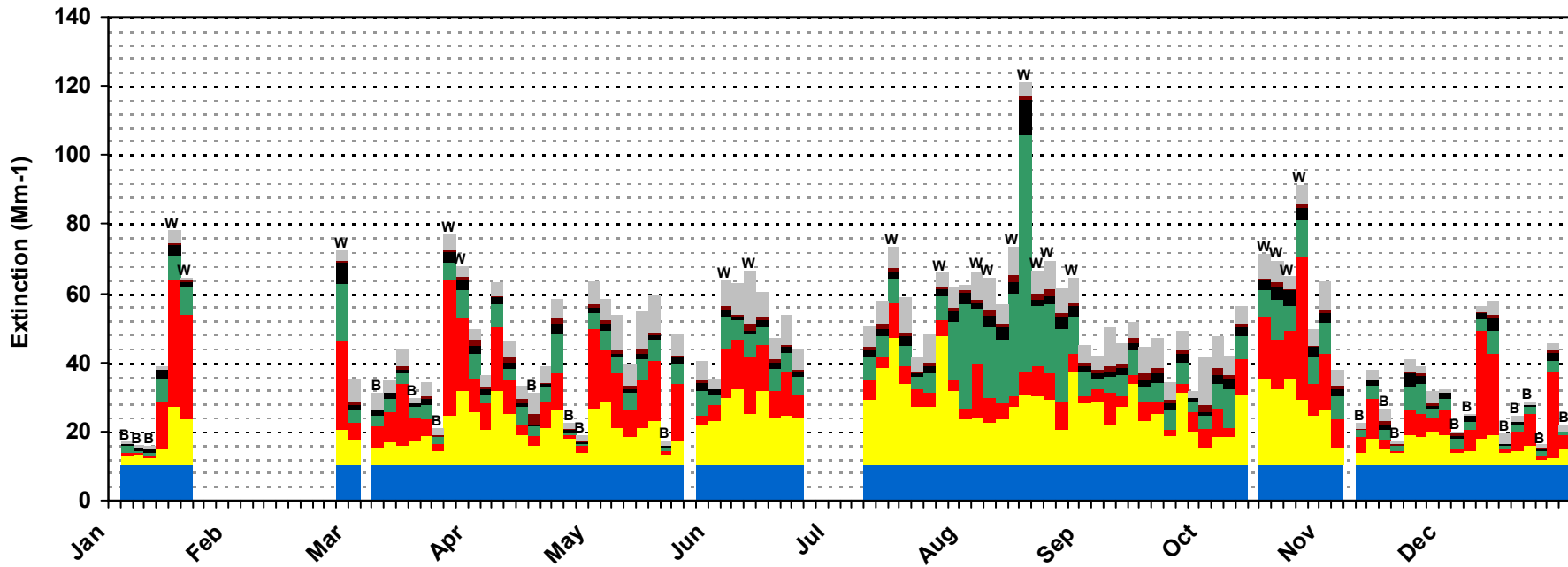


20% Best Visibility Days
Aerosol Extinction* = 12 Mm-1 (6 to 21 Mm-1)



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

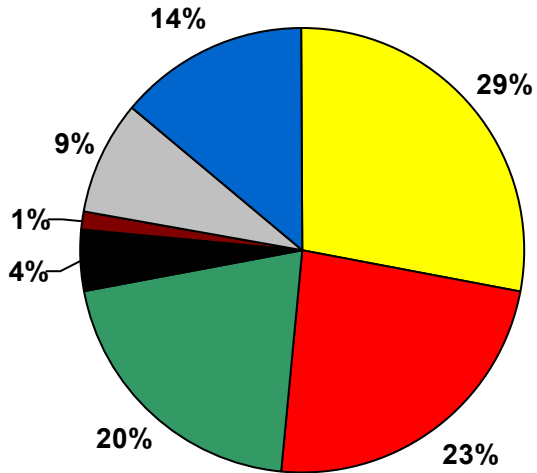
*Excludes Rayleigh Extinction



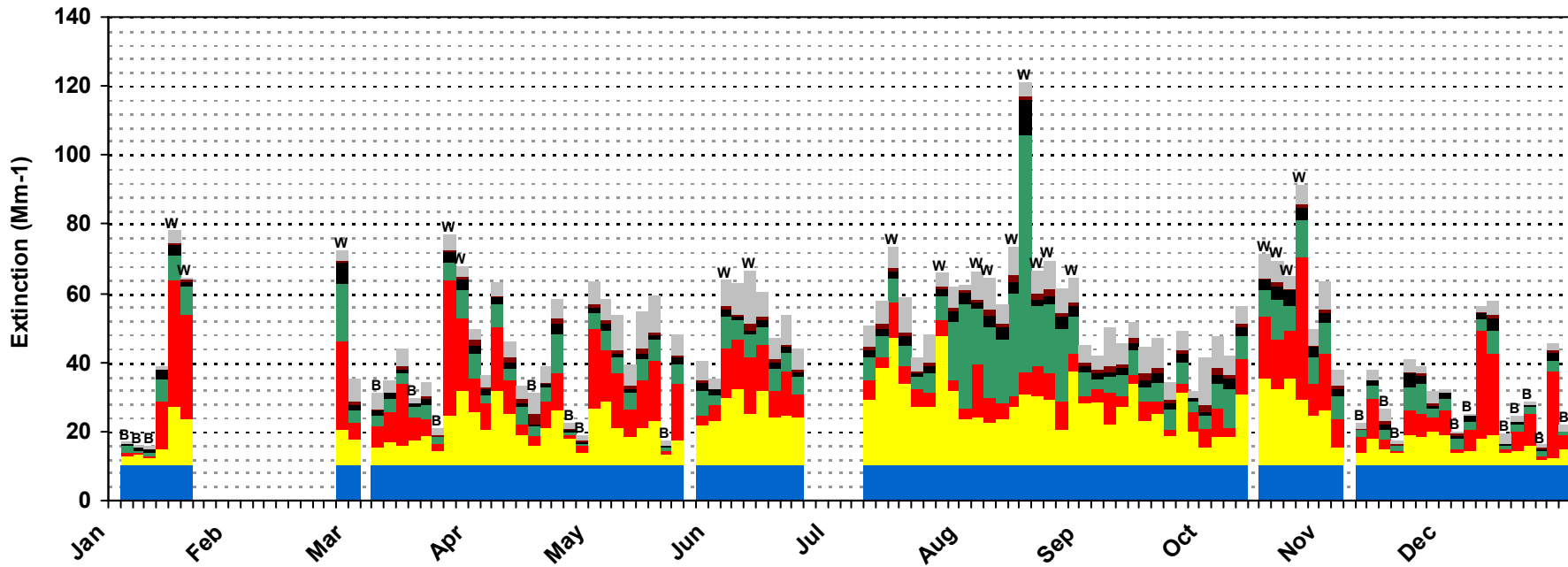
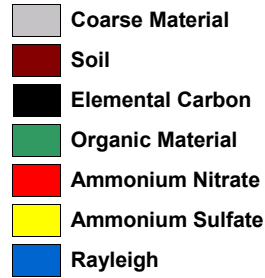
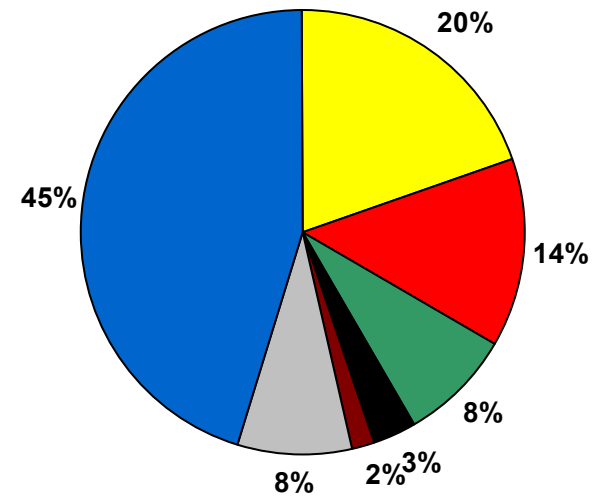
MONITORING DATA

**San Rafael Wilderness Area, CA
2002 Reconstructed Extinction
RAFA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Total Extinction = 73 Mm-1 (64 to 121 Mm-1)



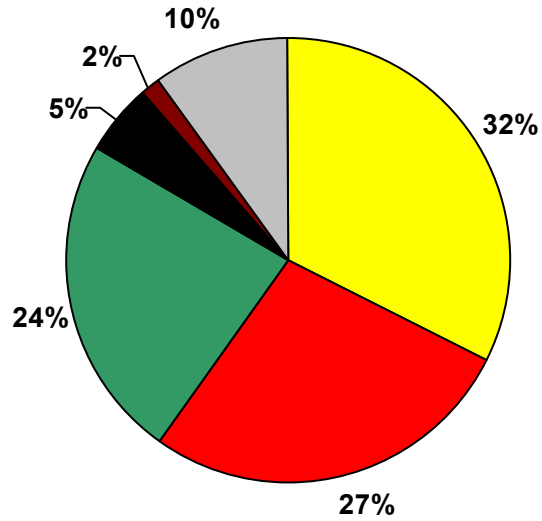
20% Best Visibility Days
Total Extinction = 22 Mm-1 (16 to 31 Mm-1)



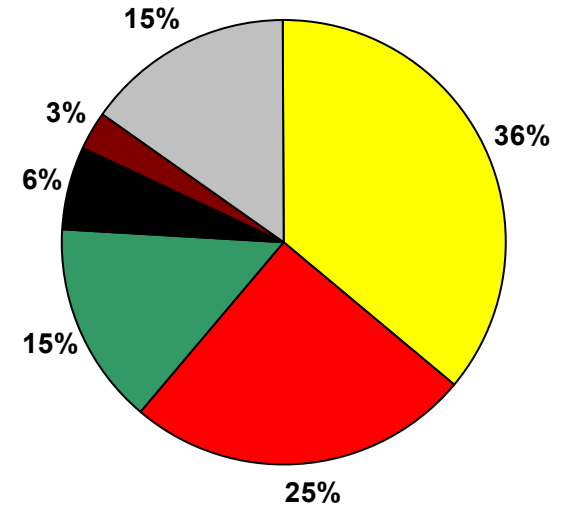
MONITORING DATA

**San Rafael Wilderness Area, CA
2002 Reconstructed Extinction
RAFA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 63 Mm⁻¹ (54 to 111 Mm⁻¹)

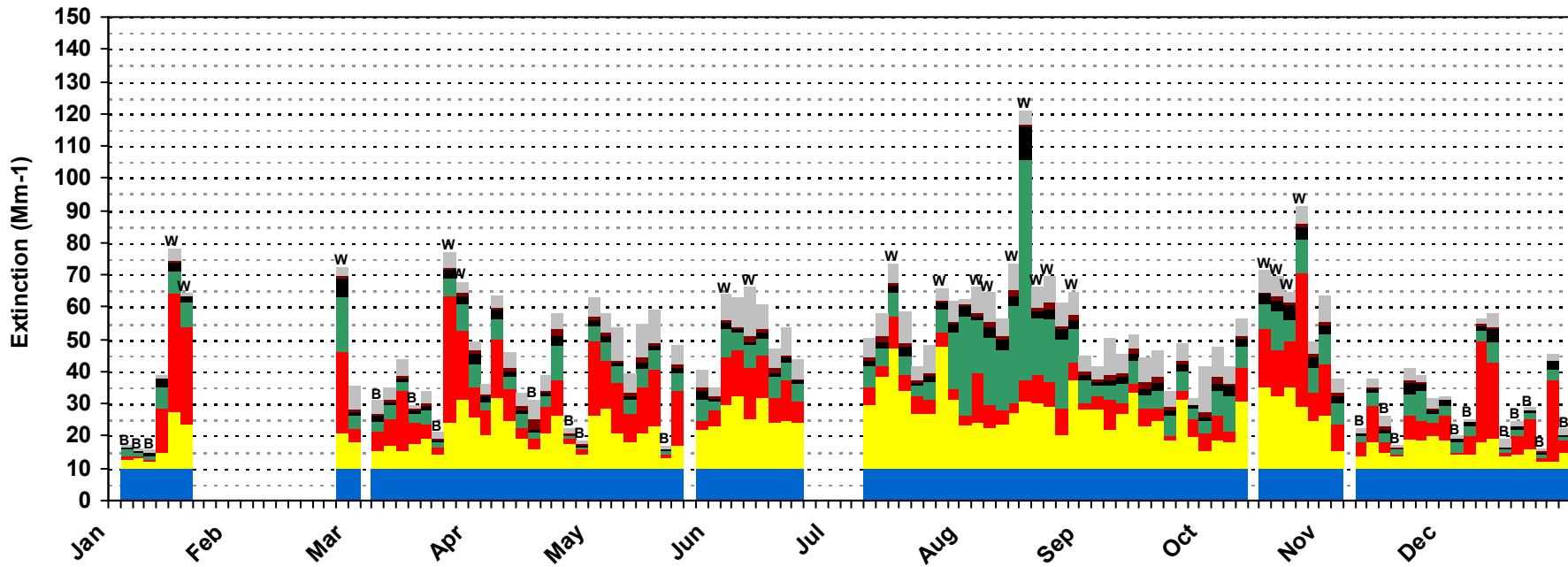


20% Best Visibility Days
Aerosol Extinction* = 12 Mm⁻¹ (6 to 21 Mm⁻¹)



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

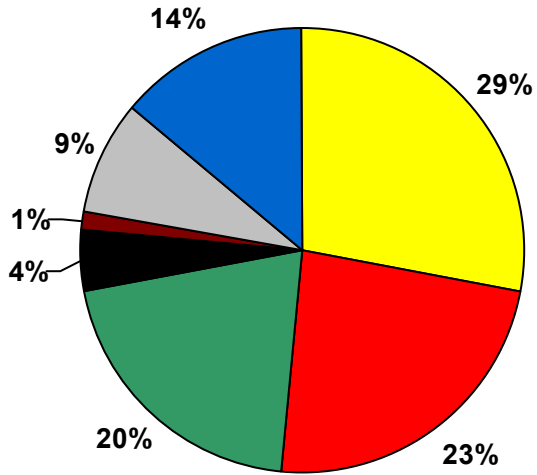
*Excludes Rayleigh Extinction



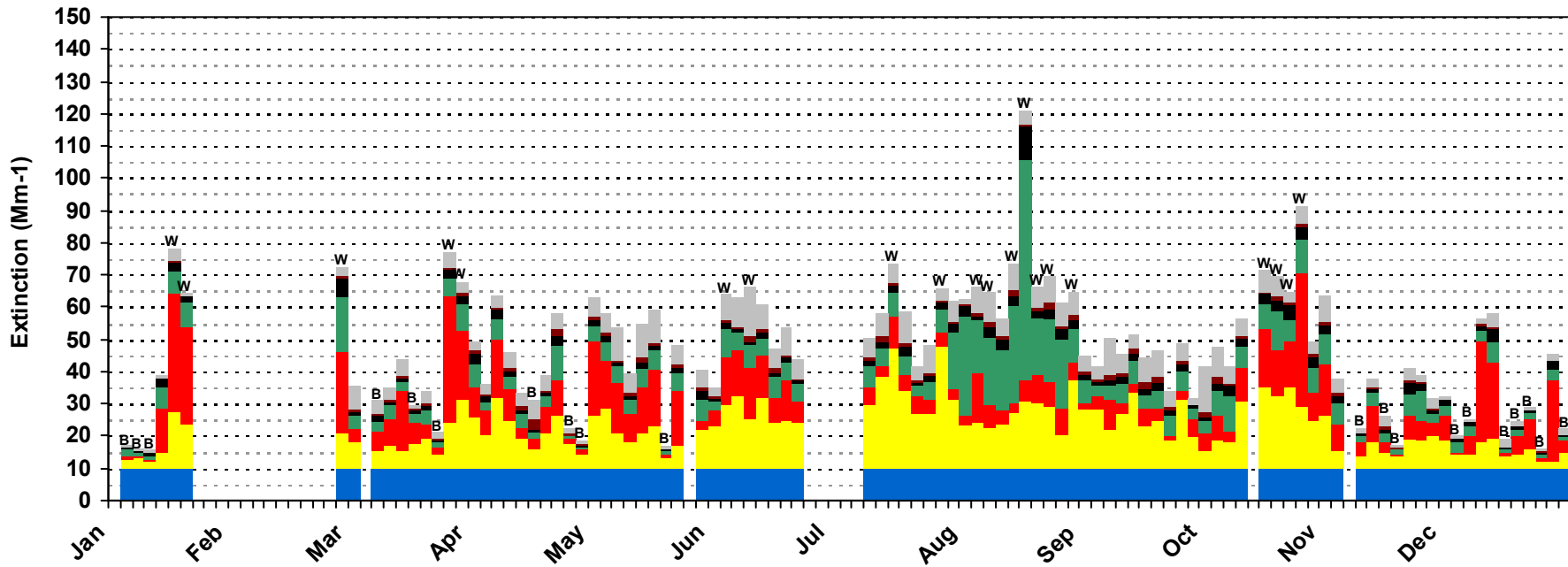
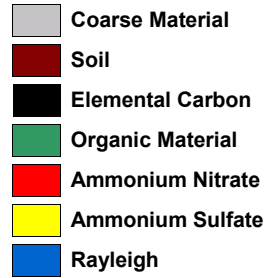
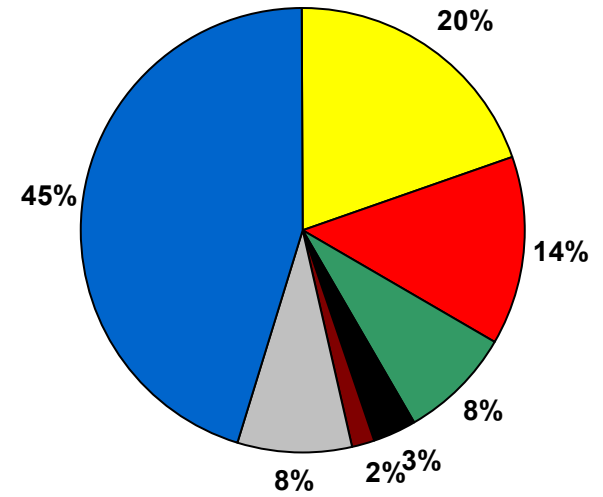
MONITORING DATA

**San Rafael Wilderness Area, CA
2002 Reconstructed Extinction
RAFA1 Monitoring Data (every third day)**

20% Worst Visibility Days
Total Extinction = 73 Mm-1 (64 to 121 Mm-1)



20% Best Visibility Days
Total Extinction = 22 Mm-1 (16 to 31 Mm-1)



MONITORING DATA

San Rafael Wilderness Area, CA 2002 Reconstructed Extinction Values RAFA1 Monitoring Data (every third day)

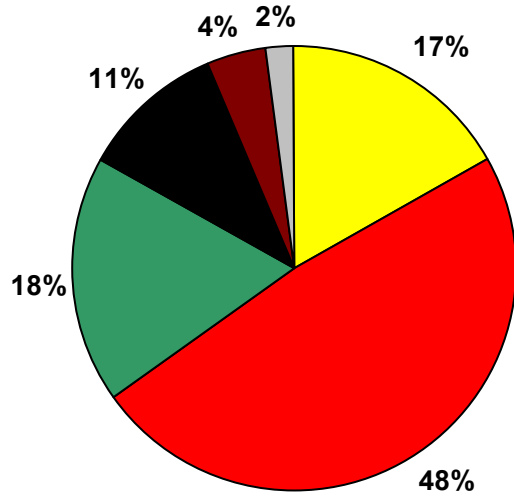
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	72.7 (19.8 dv)	63.8 (18.5 dv)	121.0 (24.9 dv)
Aerosol Extinction*:	62.7	53.8	111.0
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	20.4	28%	33%
Ammonium Nitrate:	17.0	23%	27%
Organic Material:	14.9	20%	24%
Elemental Carbon:	3.2	4%	5%
Soil:	1.0	1%	2%
Coarse Material:	6.2	9%	10%
Rayleigh:	10.0	14%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	22.1 (7.9 dv)	15.7 (4.5 dv)	31.2 (11.4 dv)
Aerosol Extinction*:	12.1	5.7	21.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	4.4	20%	36%
Ammonium Nitrate:	3.0	14%	25%
Organic Material:	1.8	8%	15%
Elemental Carbon:	0.7	3%	6%
Soil:	0.4	2%	3%
Coarse Material:	1.8	8%	15%
Rayleigh:	10.0	45%	N/A

*Excludes Rayleigh Extinction

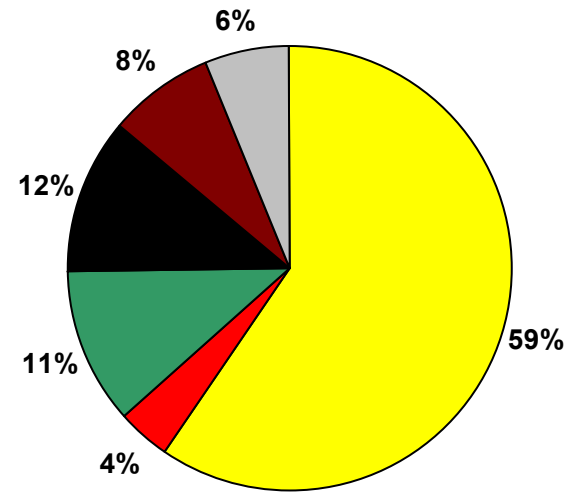
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 57 Mm-1 (36 to 145 Mm-1)

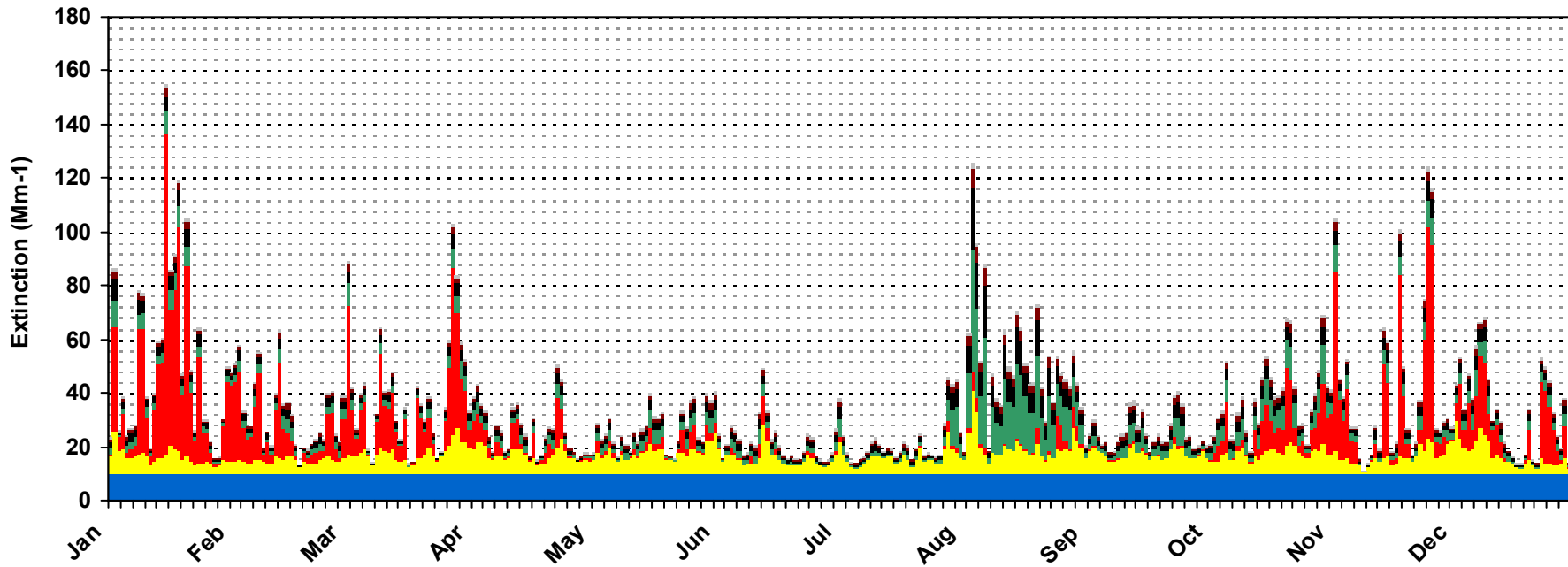


20% Best Visibility Days
Aerosol Extinction* = 6 Mm-1 (1 to 9 Mm-1)



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

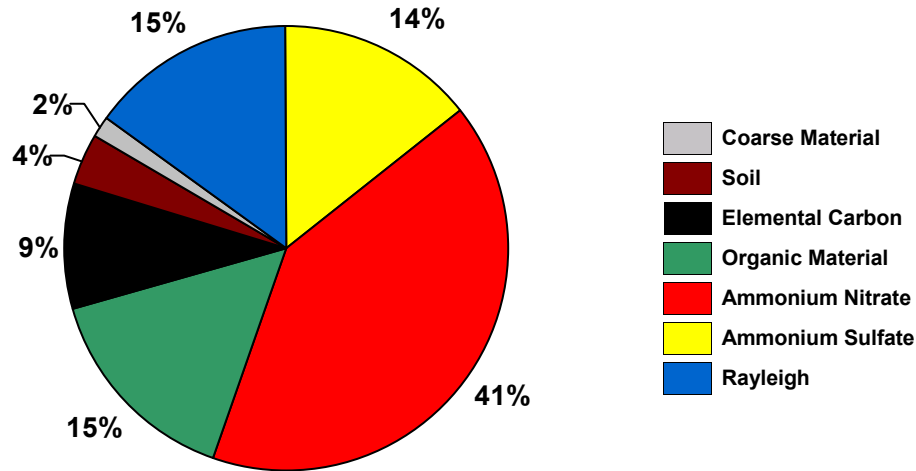
*Excludes Rayleigh Extinction



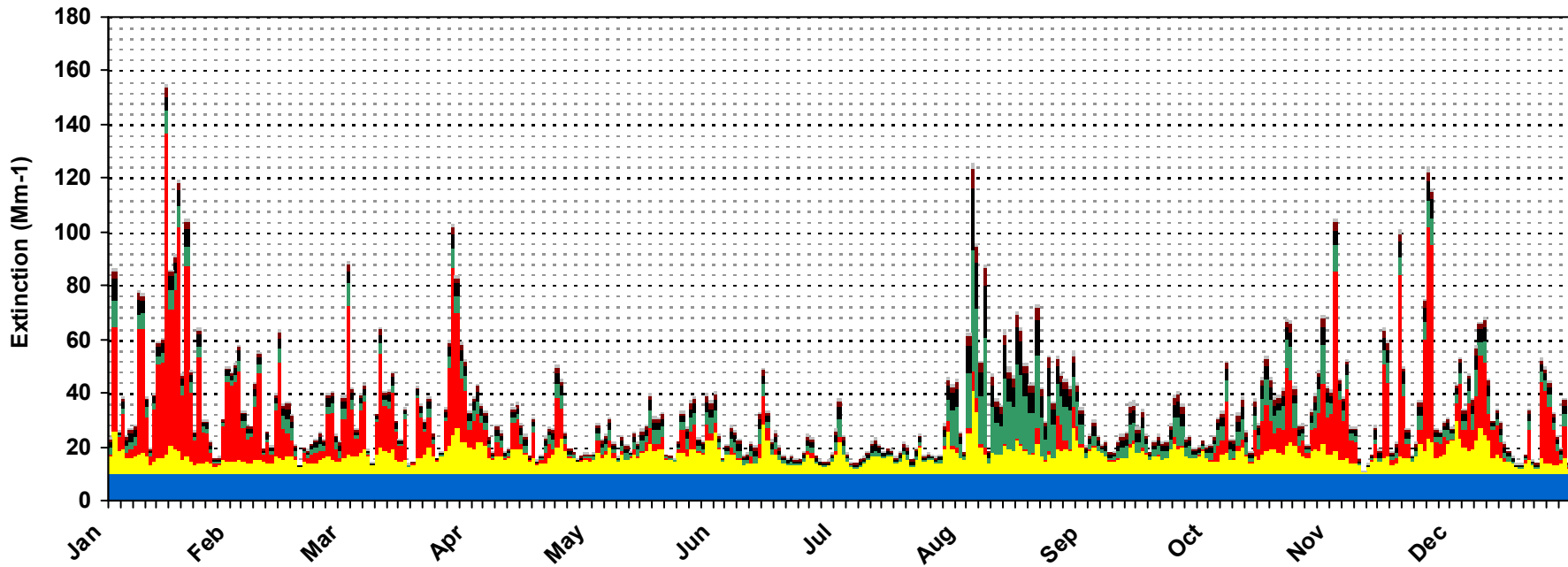
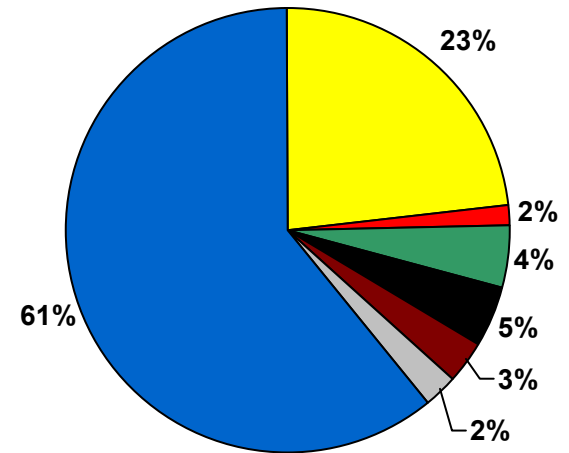
MODEL RESULTS

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

20% Worst Visibility Days
Total Extinction = 67 Mm-1 (46 to 155 Mm-1)



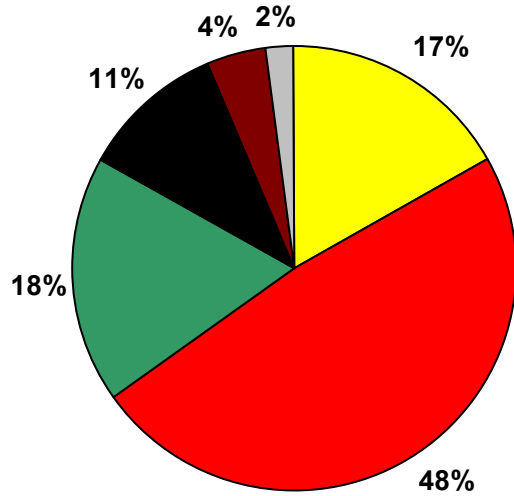
20% Best Visibility Days
Total Extinction = 16 Mm-1 (11 to 19 Mm-1)



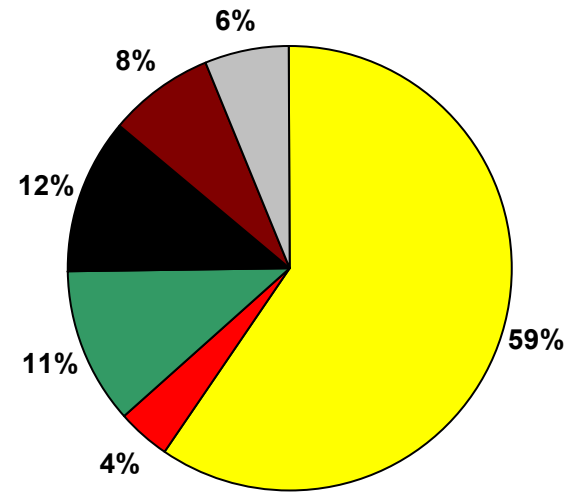
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 57 Mm-1 (36 to 145 Mm-1)

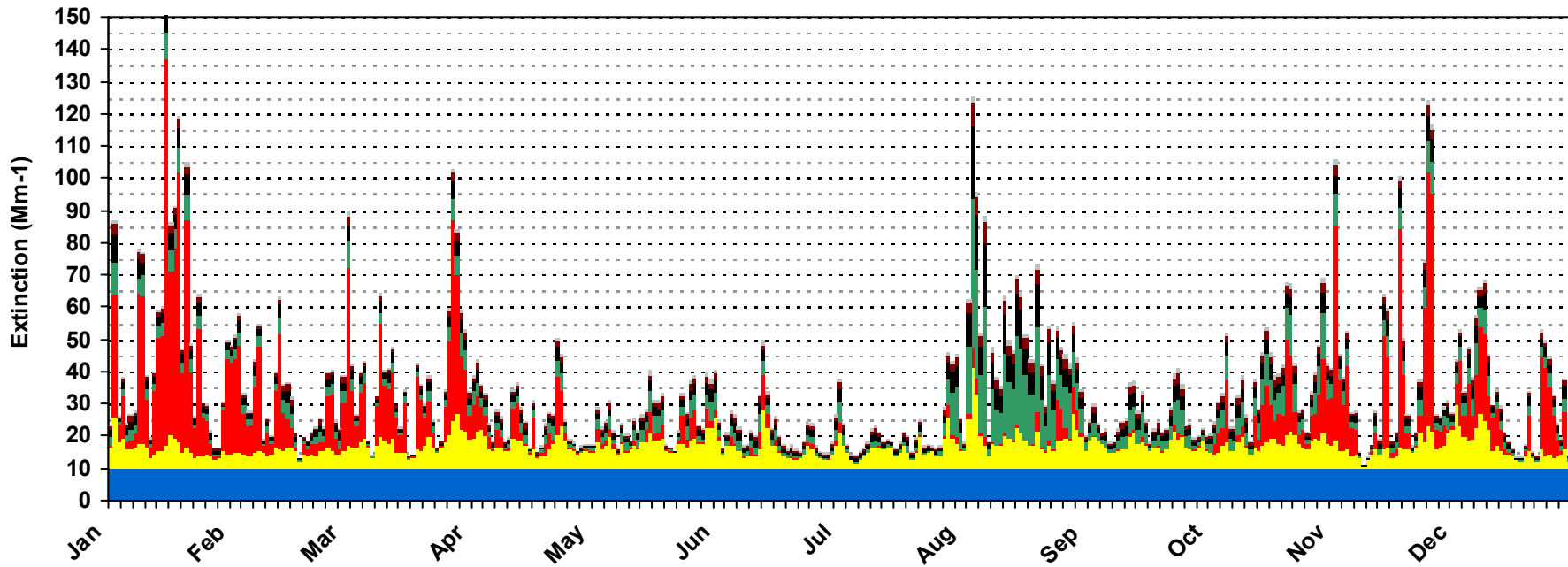


20% Best Visibility Days
Aerosol Extinction* = 6 Mm-1 (1 to 9 Mm-1)



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

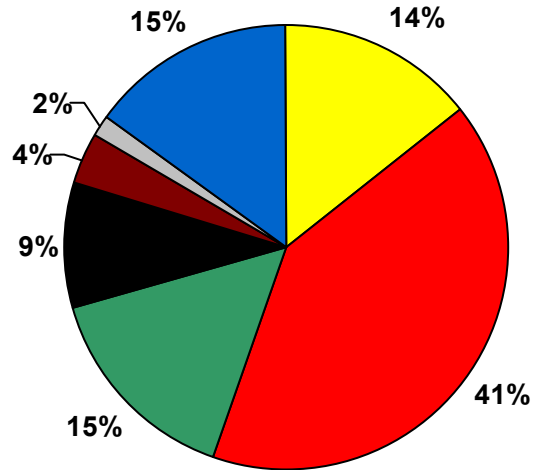
*Excludes Rayleigh Extinction



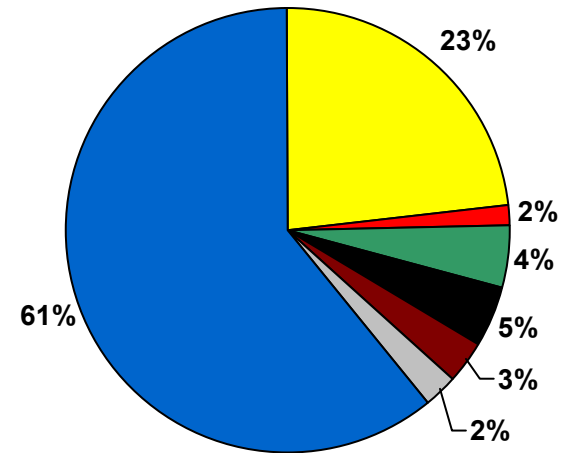
MODEL RESULTS

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

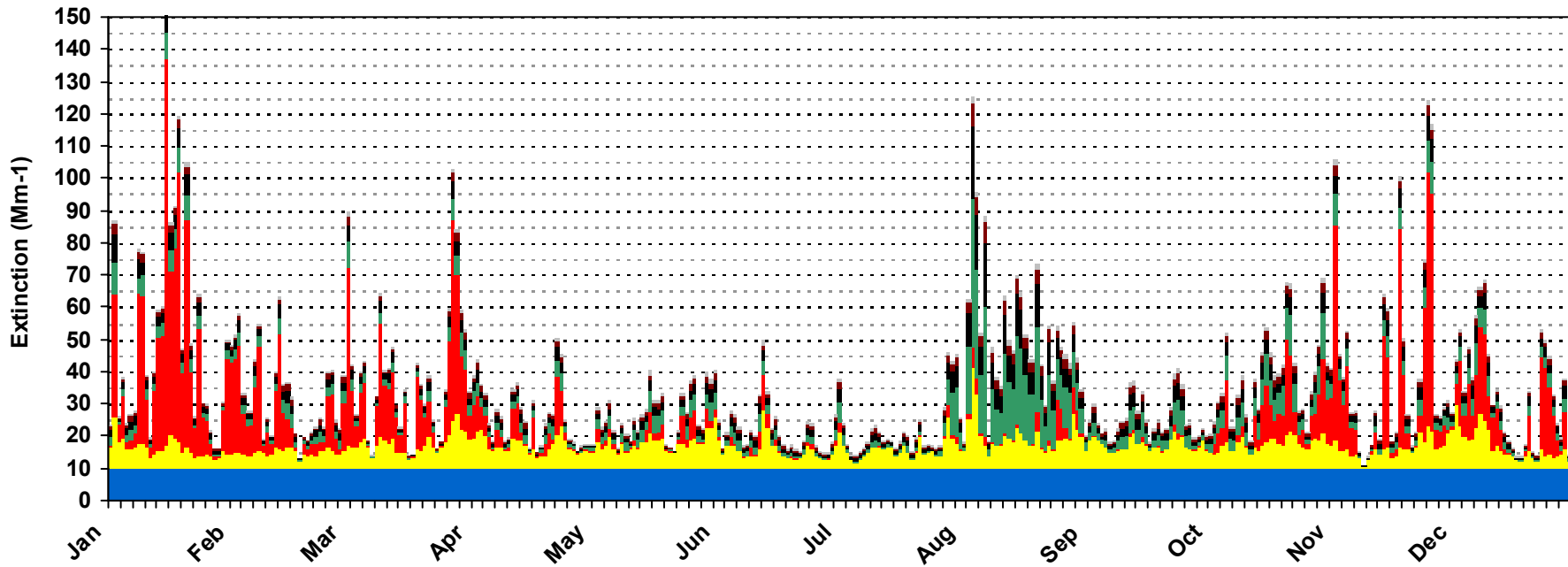
20% Worst Visibility Days
Total Extinction = 67 Mm-1 (46 to 155 Mm-1)



20% Best Visibility Days
Total Extinction = 16 Mm-1 (11 to 19 Mm-1)



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



MODEL RESULTS

San Rafael 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:	67.1 (19.0 dv)	45.5 (15.2 dv)	155.0 (27.4 dv)
Aerosol Extinction*:	57.1	35.5	145.0
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	9.7	14%	17%
Ammonium Nitrate:	27.5	41%	48%
Organic Material:	10.3	15%	18%
Elemental Carbon:	6.1	9%	11%
Soil:	2.5	4%	4%
Coarse Material:	1.1	2%	2%
Rayleigh:	10.0	15%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	16.4 (5.0 dv)	10.9 (0.9 dv)	18.7 (6.3 dv)
Aerosol Extinction*:	6.4	0.9	8.7
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	3.8	23%	59%
Ammonium Nitrate:	0.3	2%	4%
Organic Material:	0.7	4%	11%
Elemental Carbon:	0.7	5%	12%
Soil:	0.5	3%	8%
Coarse Material:	0.4	2%	6%
Rayleigh:	10.0	61%	N/A

*Excludes Rayleigh Extinction