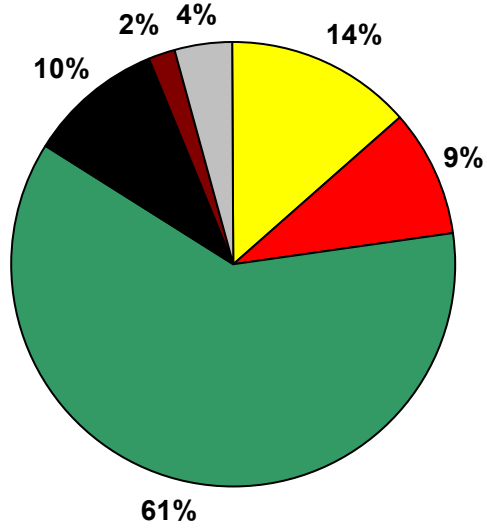


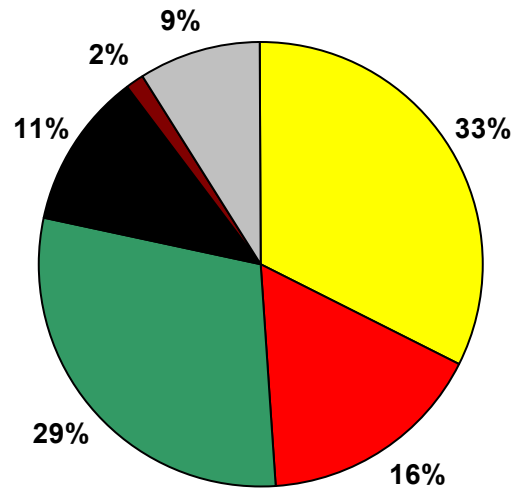
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 53 Mm⁻¹ (26 to 180 Mm⁻¹)

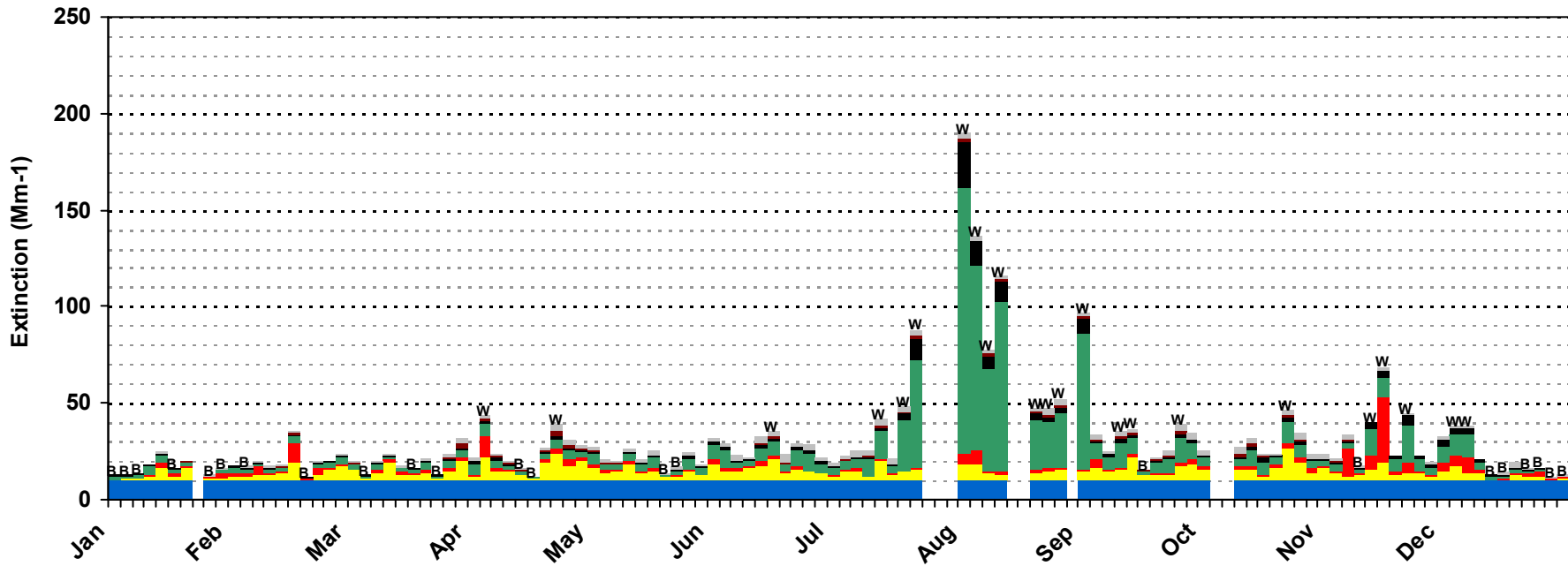


20% Best Visibility Days
Aerosol Extinction* = 4 Mm⁻¹ (1 to 7 Mm⁻¹)



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

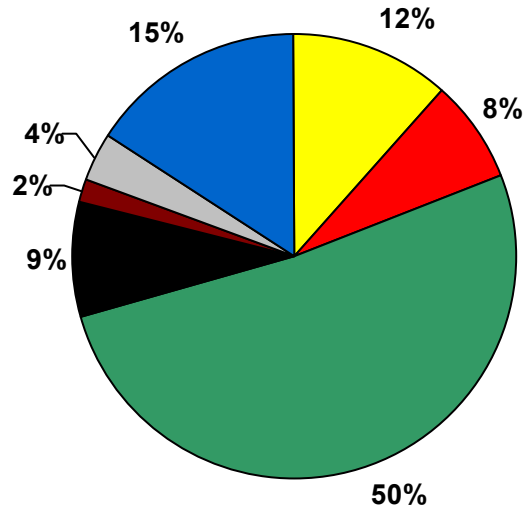
*Excludes Rayleigh Extinction



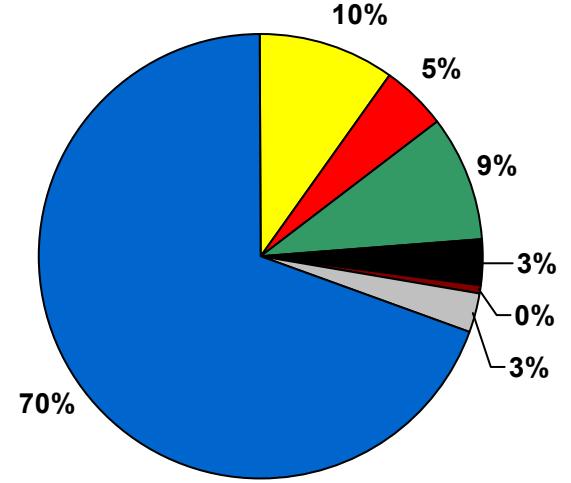
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

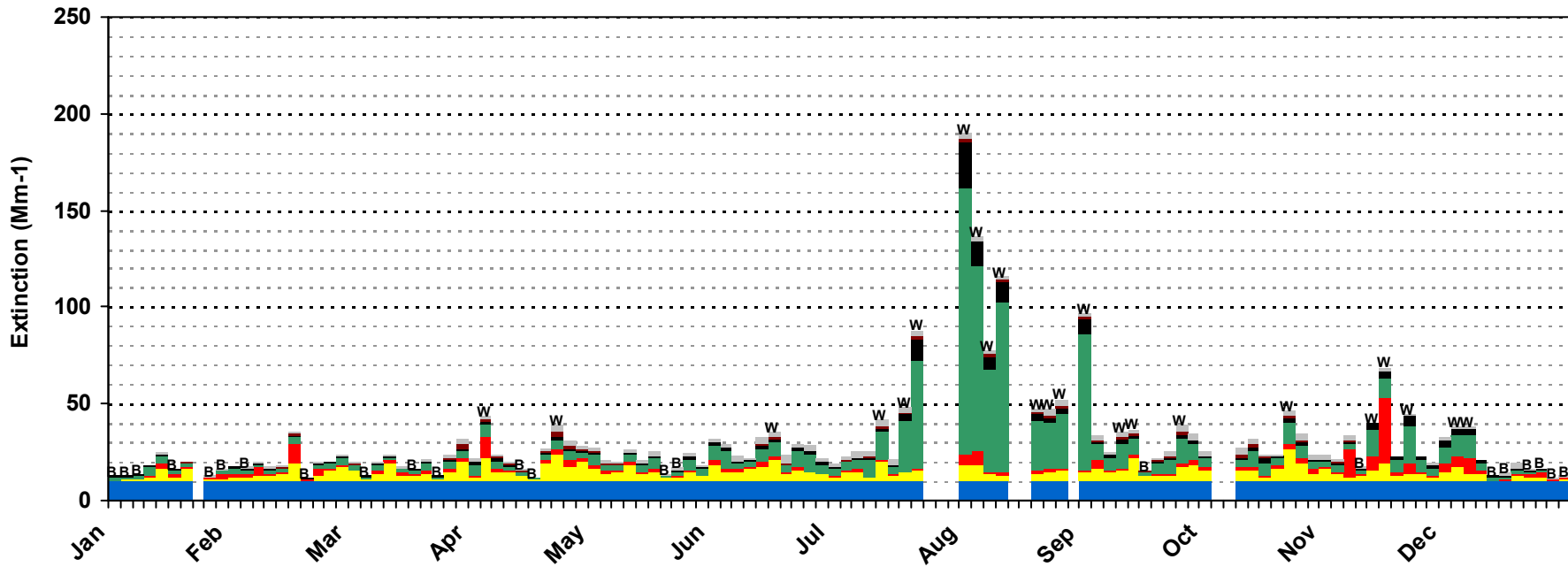
20% Worst Visibility Days
Total Extinction = 63 Mm-1 (36 to 190 Mm-1)



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



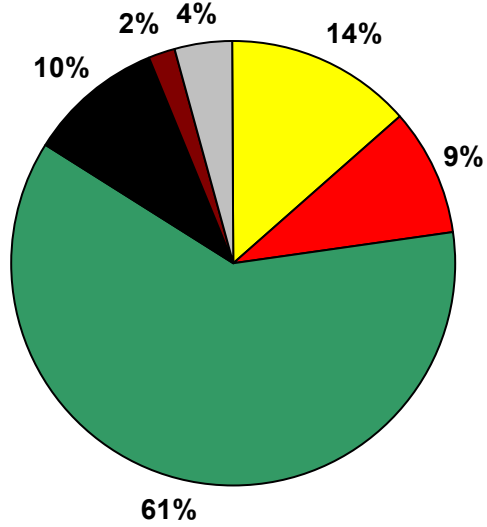
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



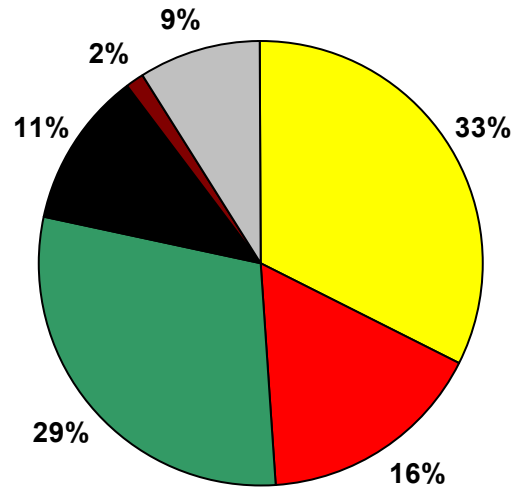
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

20% Worst Visibility Days
Aerosol Extinction* = 53 Mm-1 (26 to 180 Mm-1)

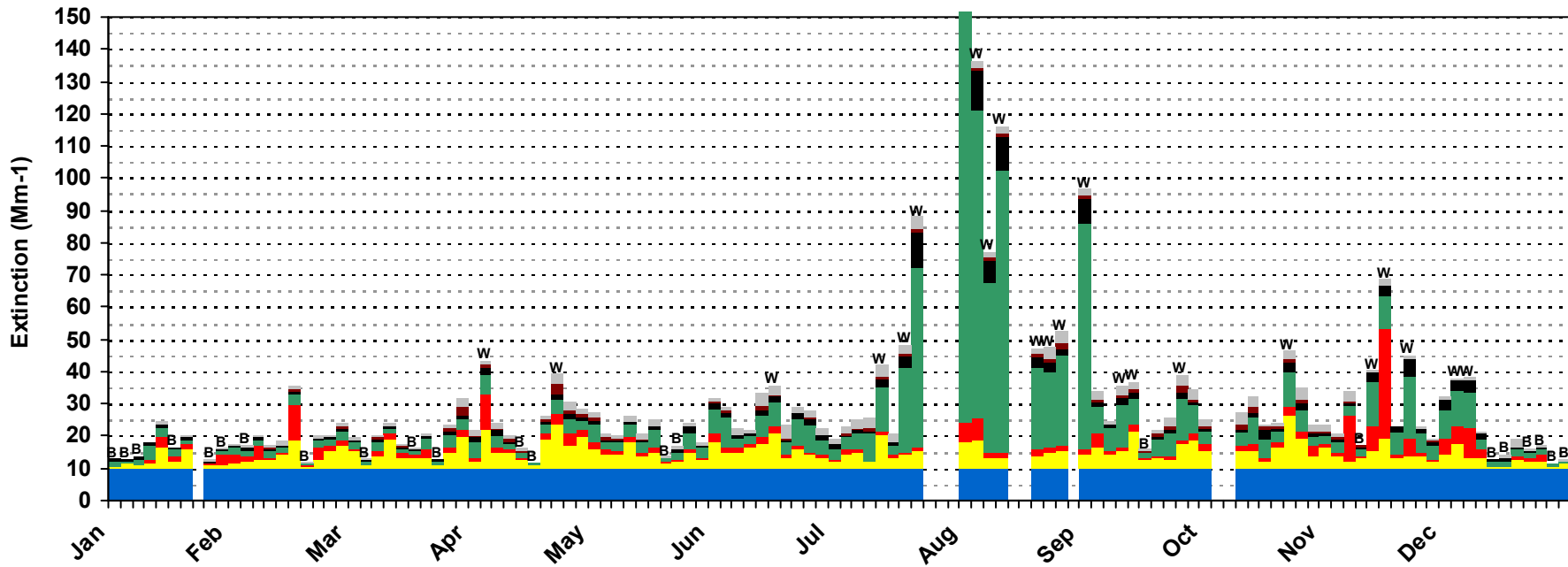


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 7 Mm-1)



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

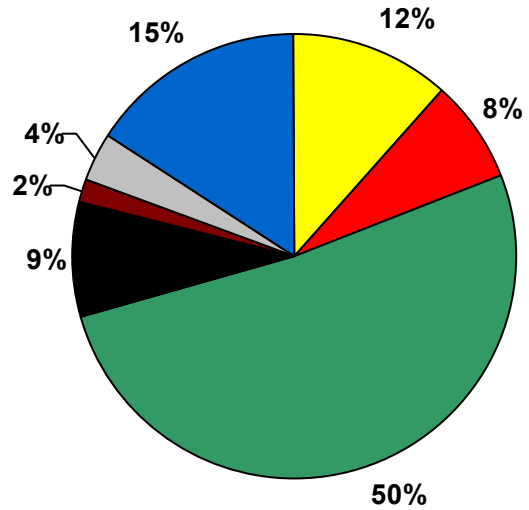
*Excludes Rayleigh Extinction



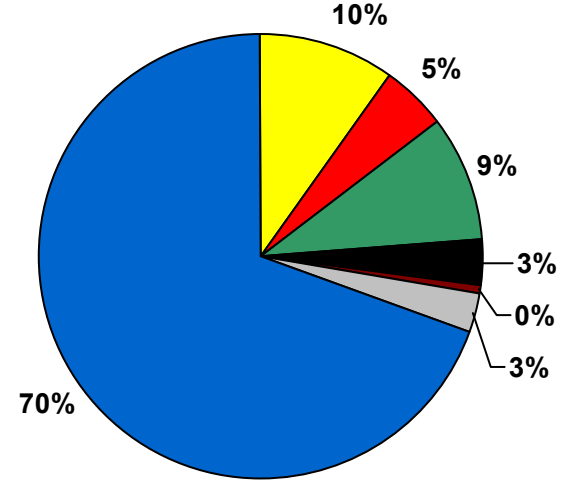
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

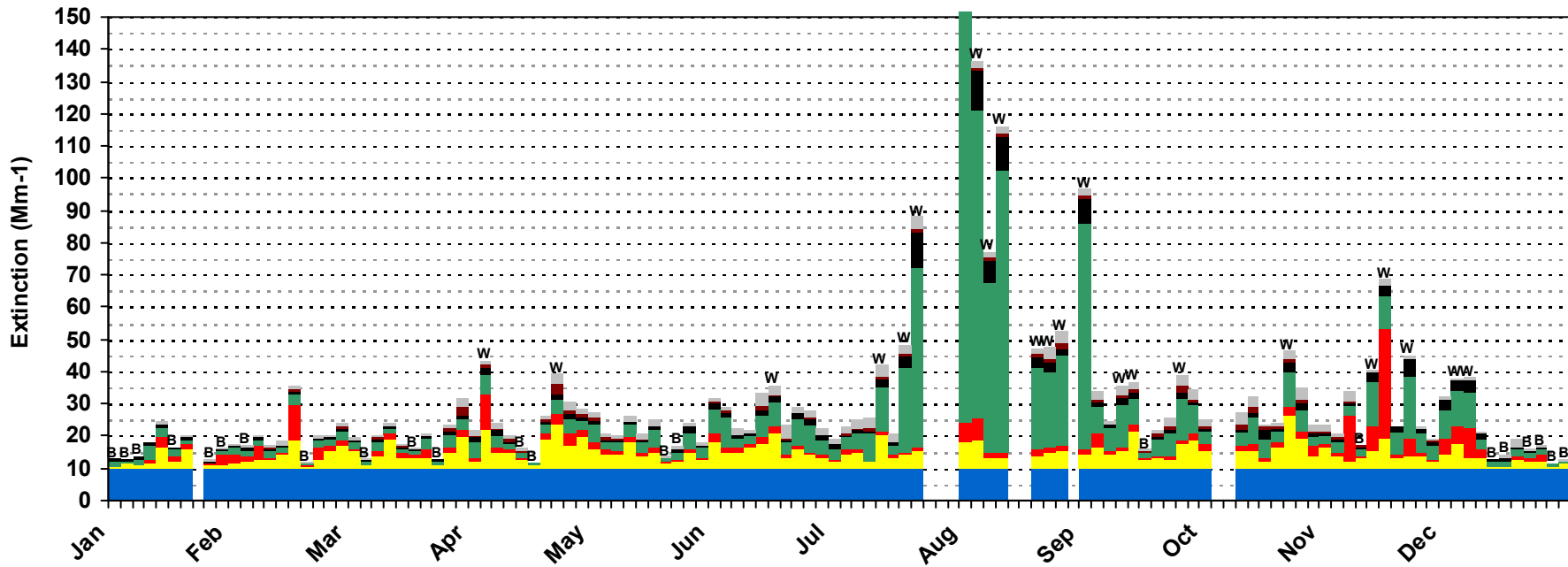
20% Worst Visibility Days
Total Extinction = 63 Mm-1 (36 to 190 Mm-1)



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



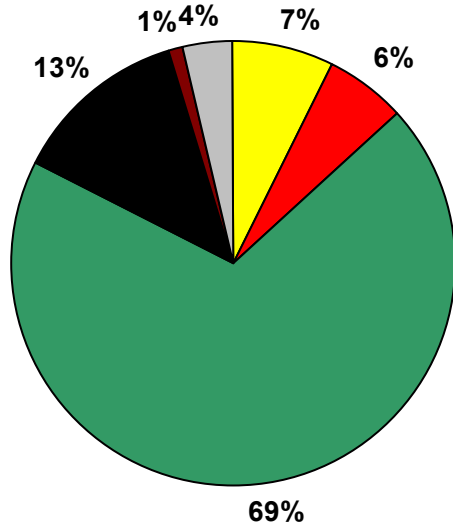
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

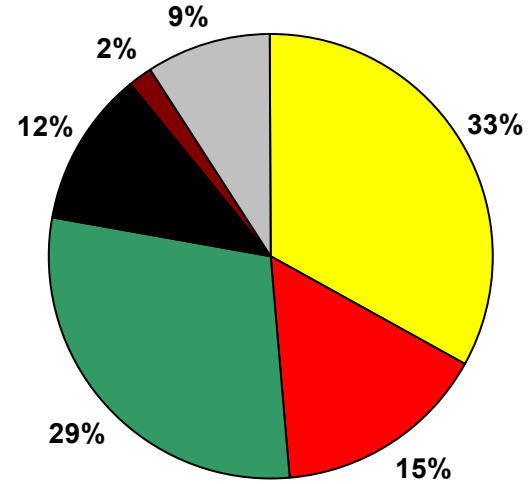
"RAW" DATA

- No RHR data substitutions
- Includes available data from days with clogged filters

20% Worst Visibility Days
Aerosol Extinction* = 91 Mm⁻¹ (29 to 236 Mm⁻¹)

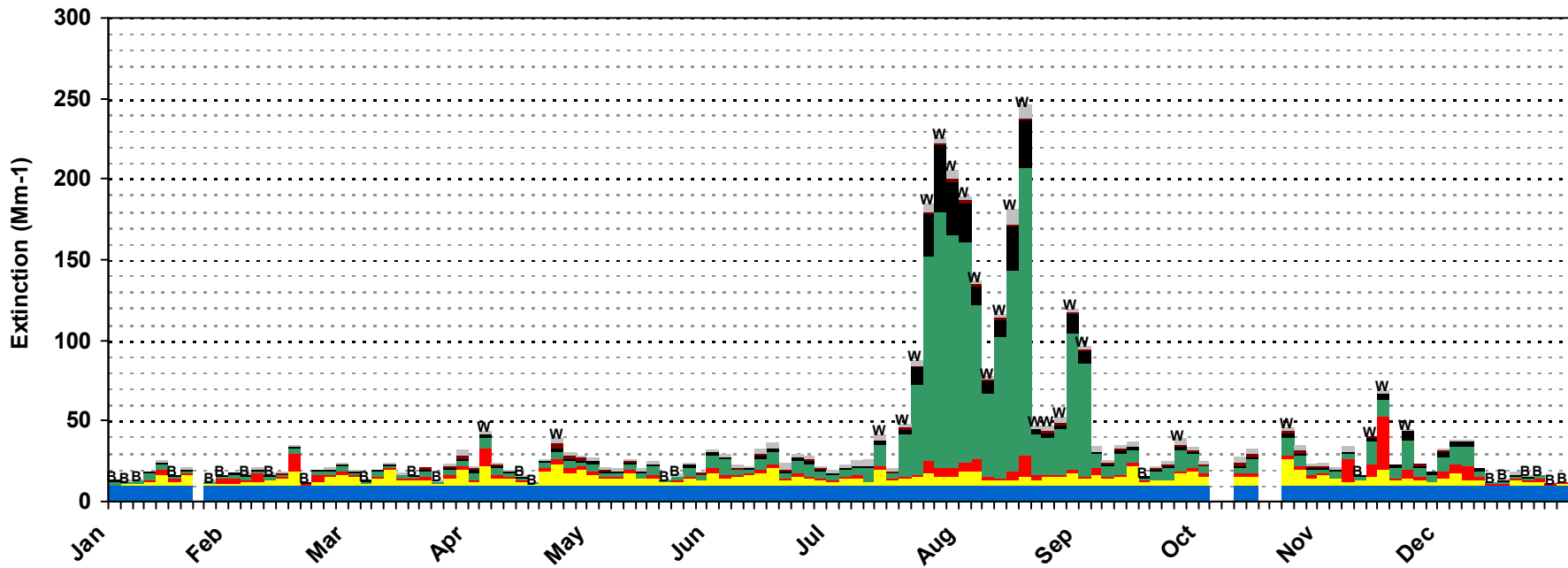


20% Best Visibility Days
Aerosol Extinction* = 4 Mm⁻¹ (1 to 7 Mm⁻¹)



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

*Excludes Rayleigh Extinction



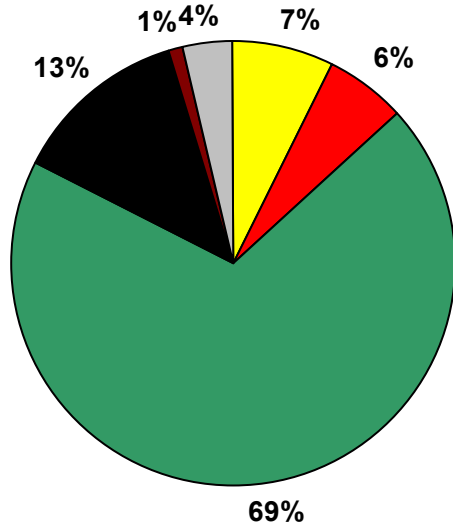
MONITORING DATA

**South Warner Wilderness Area, CA
2002 Reconstructed Extinction
LABLE1 Monitoring Data (every third day)**

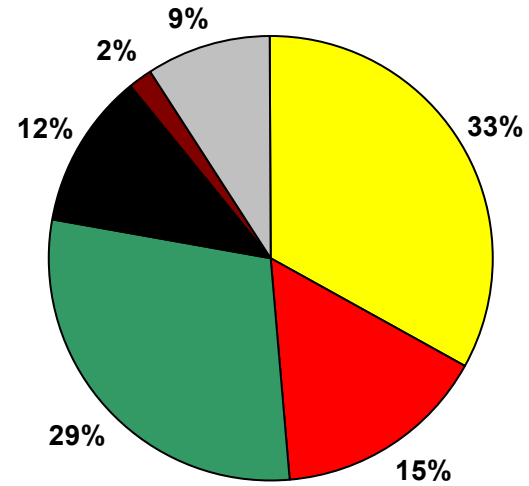
"RAW" DATA

- No RHR data substitutions
- Includes available data from days with clogged filters

20% Worst Visibility Days
Aerosol Extinction* = 91 Mm-1 (29 to 236 Mm-1)

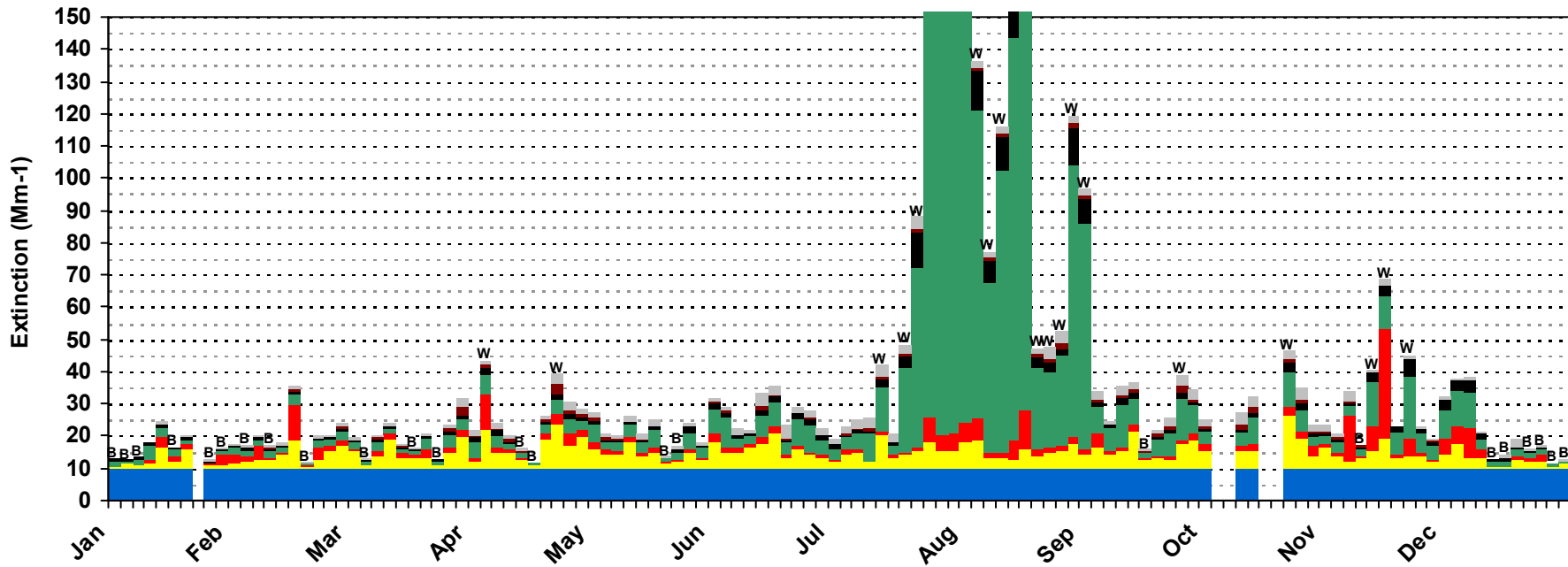


20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (1 to 7 Mm-1)



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

*Excludes Rayleigh Extinction



MONITORING DATA

South Warner Wilderness Area, CA 2002 Reconstructed Extinction Values LABLE1 Monitoring Data (every third day)

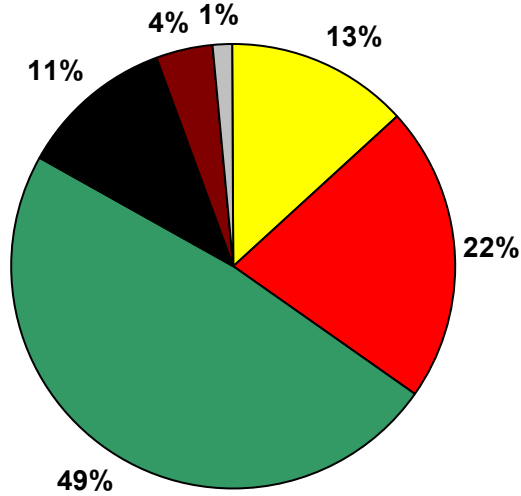
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	62.9 (18.4 dv)	35.5 (12.7 dv)	189.6 (29.4 dv)
Aerosol Extinction*:	52.9	25.5	179.6
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	7.3	12%	14%
Ammonium Nitrate:	4.8	8%	9%
Organic Material:	32.3	51%	61%
Elemental Carbon:	5.4	9%	10%
Soil:	1.0	2%	2%
Coarse Material:	2.2	3%	4%
Rayleigh:	10.0	16%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	14.4 (3.6 dv)	11.4 (1.3 dv)	17.1 (5.4 dv)
Aerosol Extinction*:	4.4	1.4	7.1
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.4	10%	33%
Ammonium Nitrate:	0.7	5%	16%
Organic Material:	1.3	9%	29%
Elemental Carbon:	0.5	3%	11%
Soil:	0.1	0%	2%
Coarse Material:	0.3	2%	7%
Rayleigh:	10.0	70%	N/A

*Excludes Rayleigh Extinction

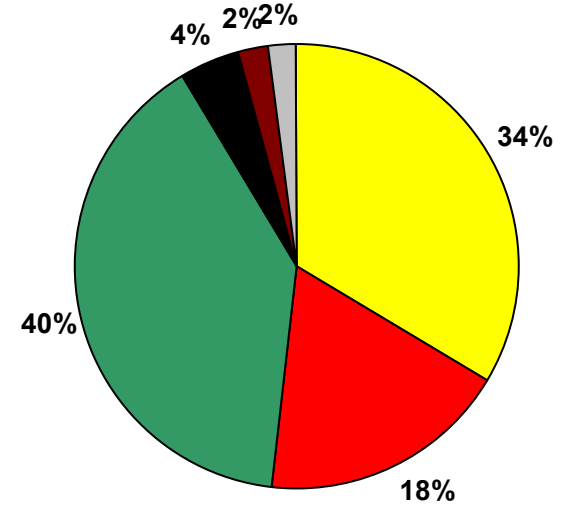
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 48 Mm-1 (26 to 153 Mm-1)

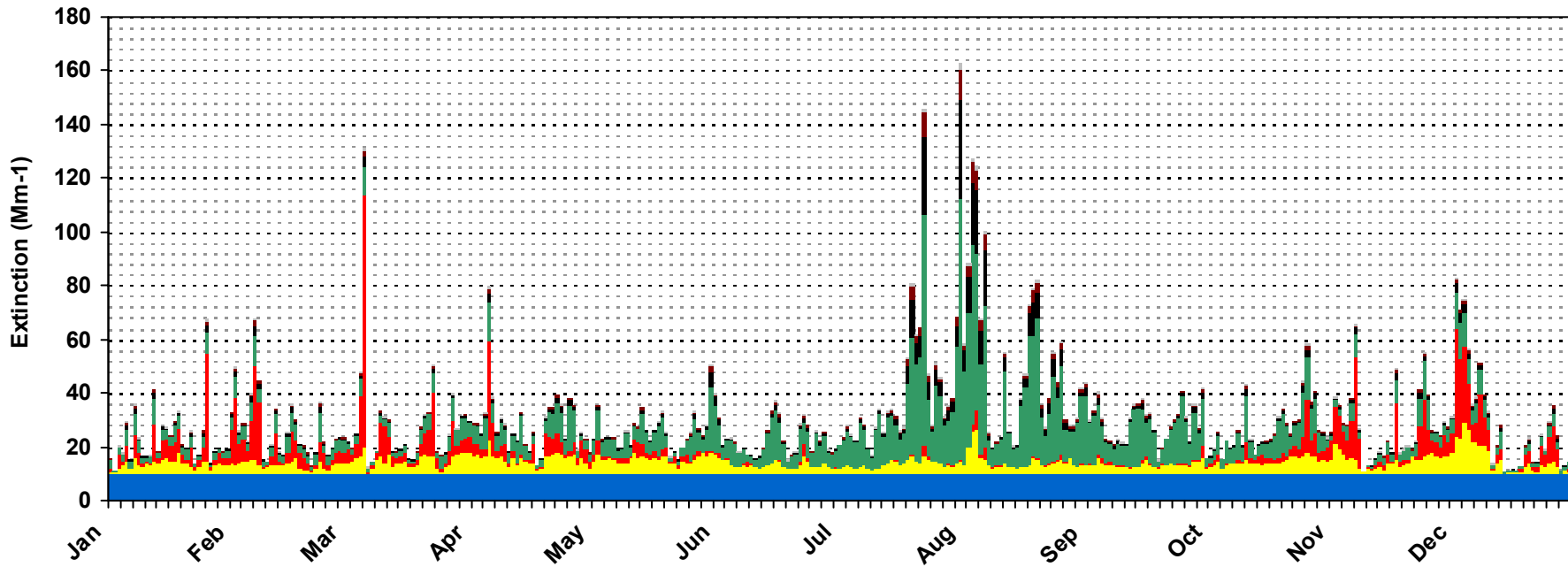


20% Best Visibility Days
Aerosol Extinction* = 6 Mm-1 (1 to 9 Mm-1)



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

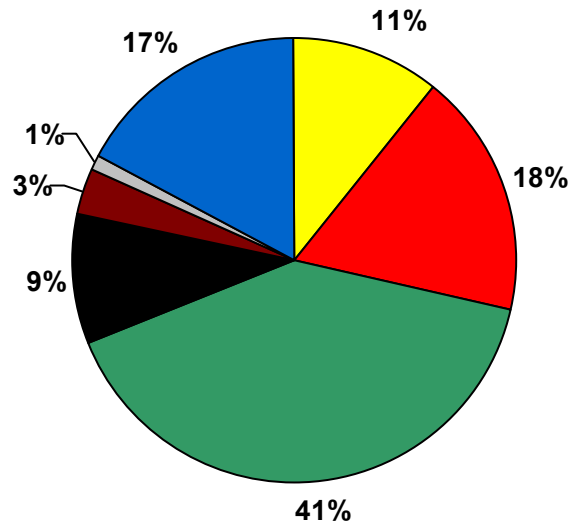
*Excludes Rayleigh Extinction



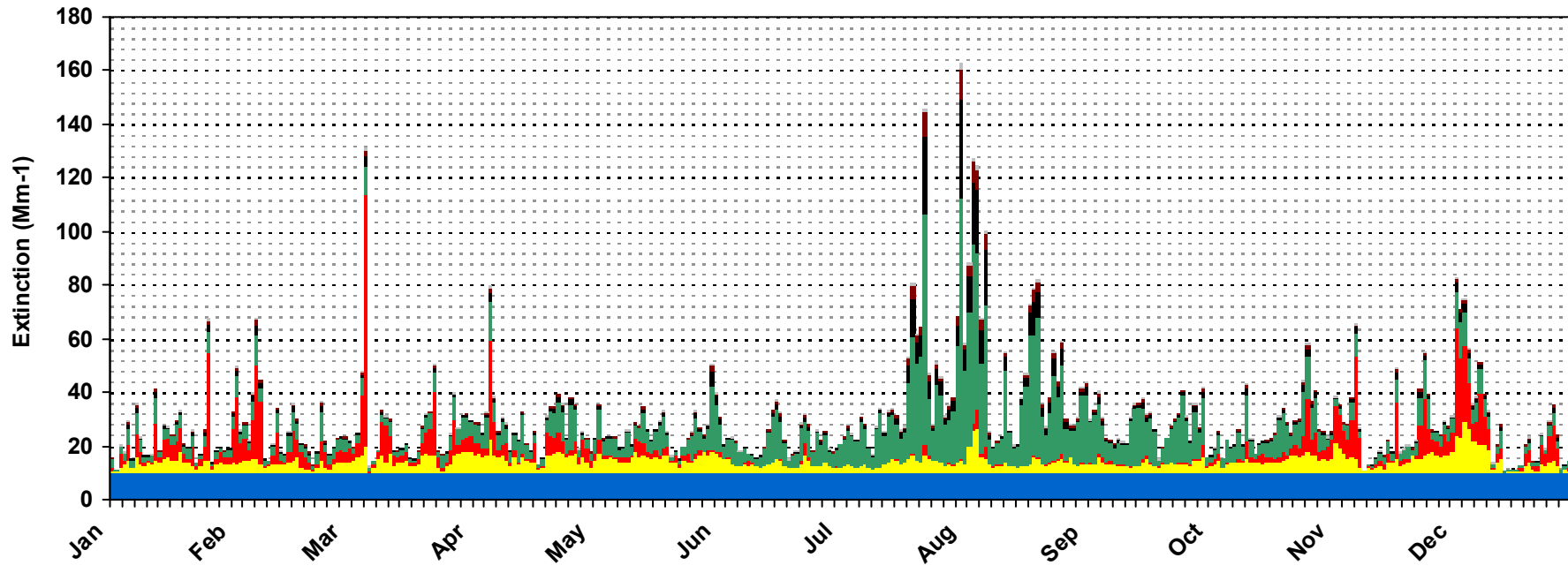
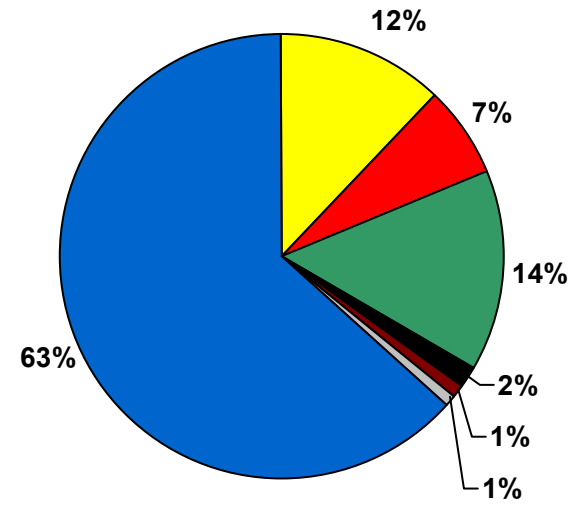
MODEL RESULTS

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

20% Worst Visibility Days
Total Extinction = 58 Mm-1 (36 to 163 Mm-1)



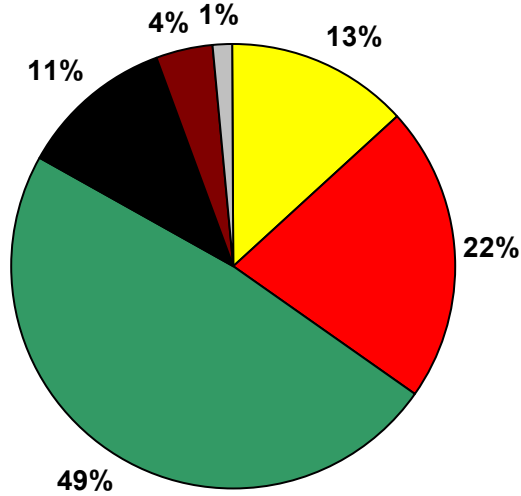
20% Best Visibility Days
Total Extinction = 16 Mm-1 (11 to 19 Mm-1)



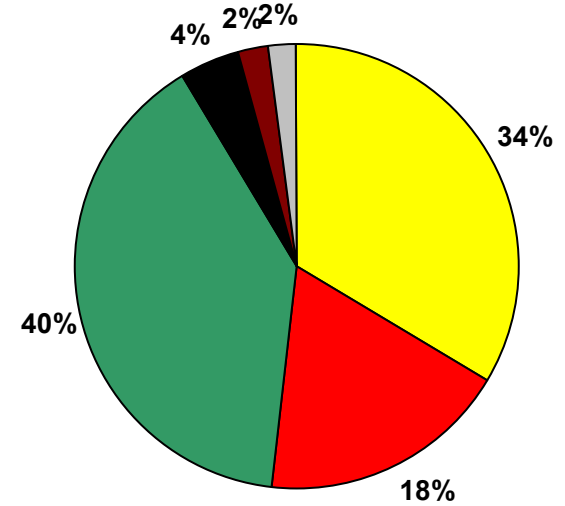
MODEL RESULTS

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

20% Worst Visibility Days
Aerosol Extinction* = 48 Mm⁻¹ (26 to 153 Mm⁻¹)

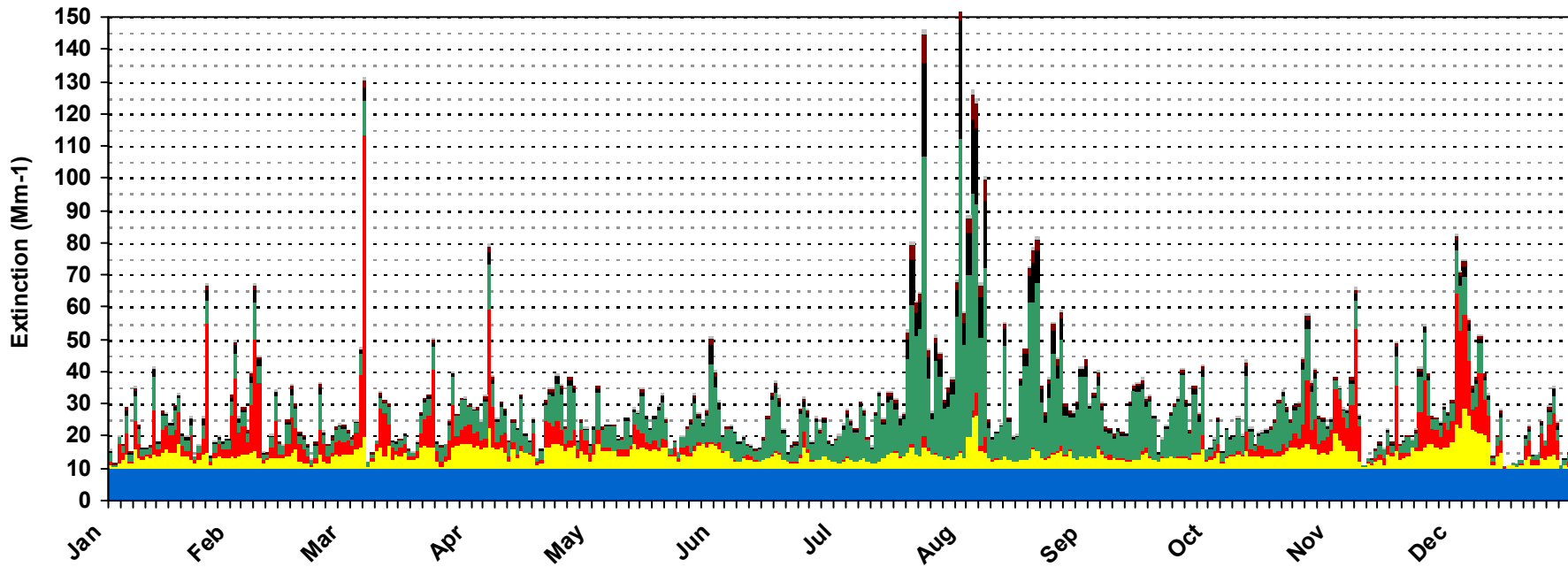


20% Best Visibility Days
Aerosol Extinction* = 6 Mm⁻¹ (1 to 9 Mm⁻¹)



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

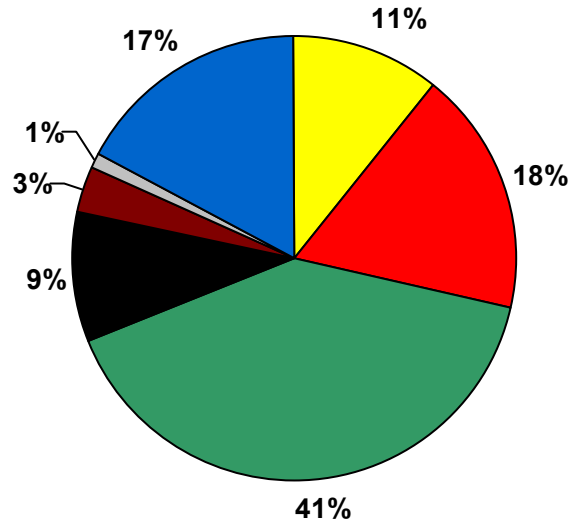
*Excludes Rayleigh Extinction



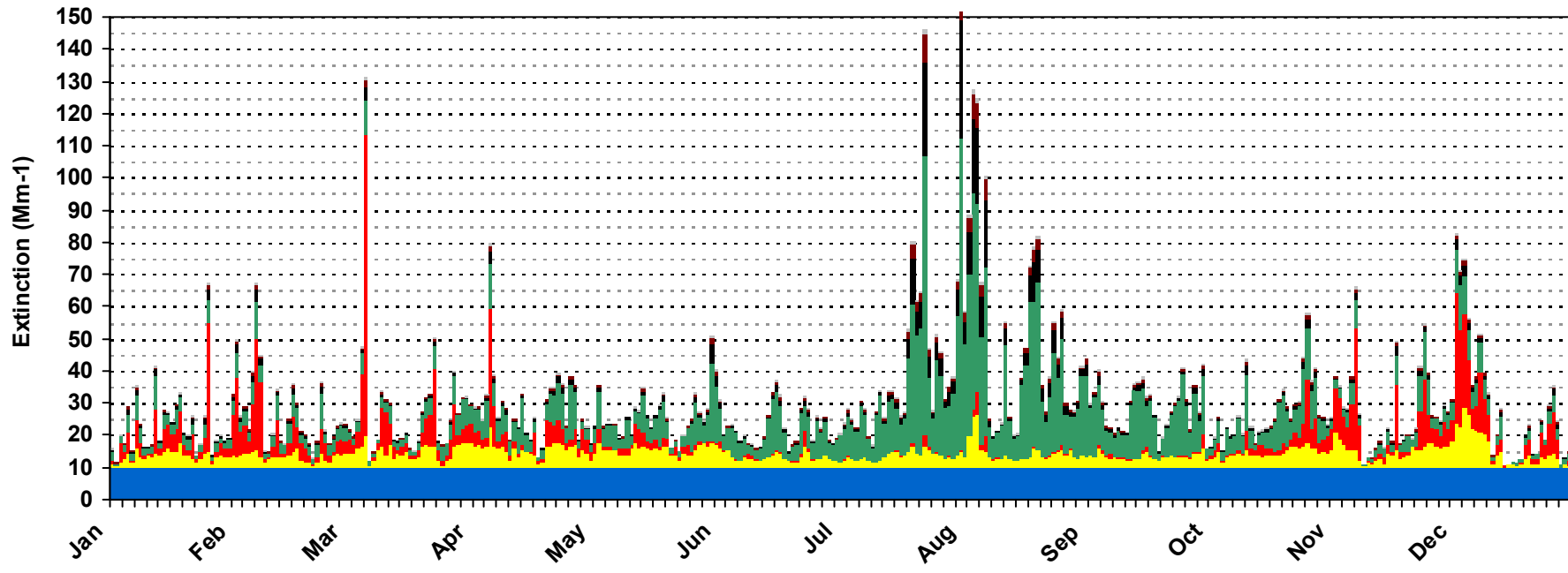
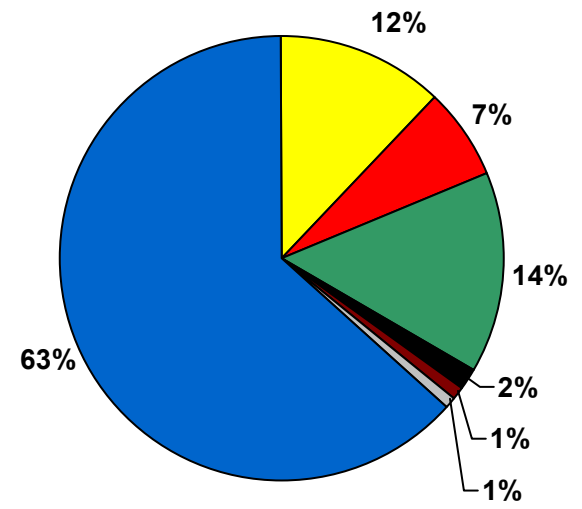
MODEL RESULTS

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

20% Worst Visibility Days
Total Extinction = 58 Mm-1 (36 to 163 Mm-1)



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



MODEL RESULTS

South Warner 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:	57.9 (17.6 dv)	35.9 (12.8 dv)	163.2 (27.9 dv)
Aerosol Extinction*:	47.9	25.9	153.2
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	6.3	11%	13%
Ammonium Nitrate:	10.3	18%	21%
Organic Material:	23.2	40%	48%
Elemental Carbon:	5.5	9%	11%
Soil:	2.0	3%	4%
Coarse Material:	0.6	1%	1%
Rayleigh:	10.0	17%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	15.8 (4.5 dv)	10.6 (0.6 dv)	18.7 (6.2 dv)
Aerosol Extinction*:	5.8	0.6	8.7
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	1.9	12%	34%
Ammonium Nitrate:	1.0	7%	18%
Organic Material:	2.3	14%	40%
Elemental Carbon:	0.3	2%	4%
Soil:	0.1	1%	2%
Coarse Material:	0.1	1%	2%
Rayleigh:	10.0	63%	N/A

*Excludes Rayleigh Extinction