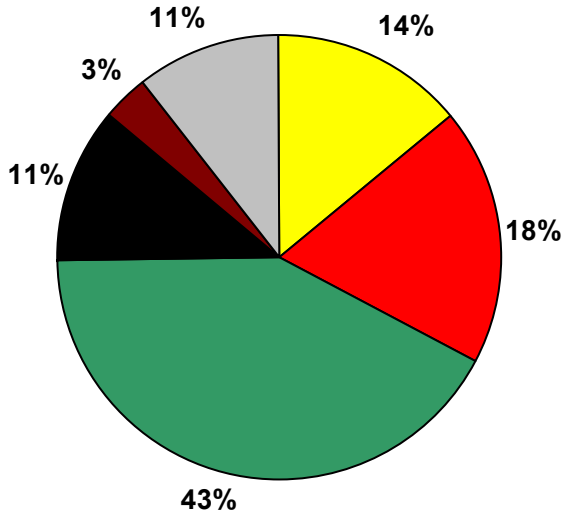
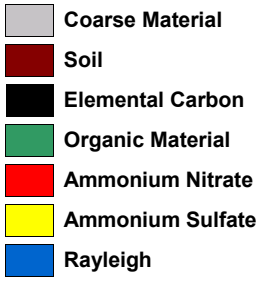
MONITORING DATA

John Muir Wilderness Area, CA
2002 Reconstructed Extinction
KAIS1 Monitoring Data (every third day)

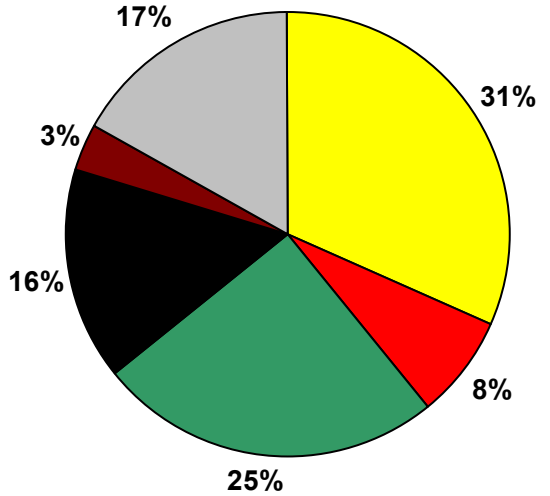
20% Worst Visibility Days
Aerosol Extinction* = 49 Mm-1 (33 to 73 Mm-1)

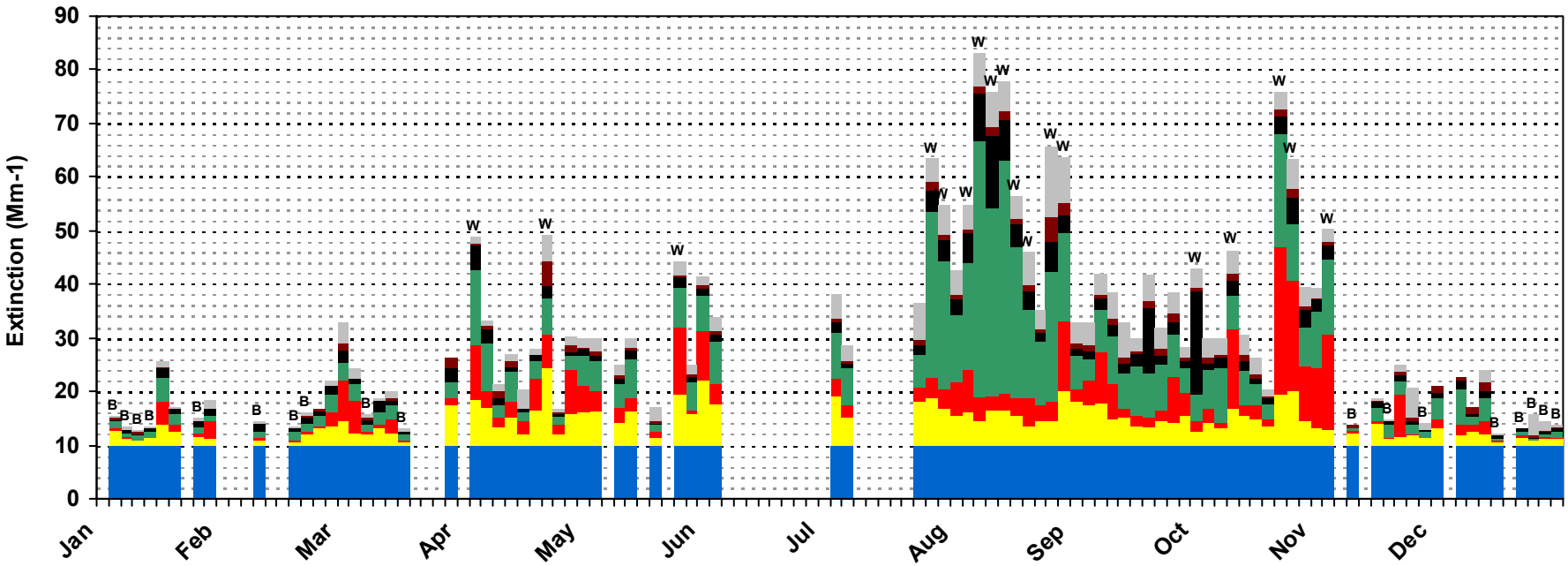




*Excludes Rayleigh Extinction

20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (2 to 6 Mm-1)

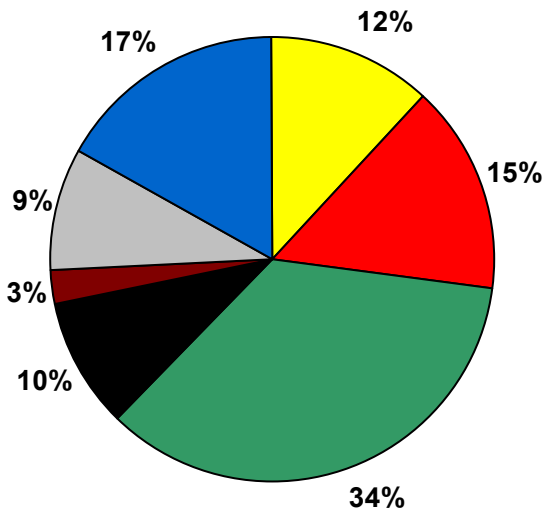


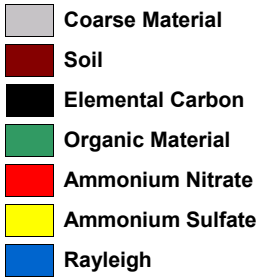


MONITORING DATA

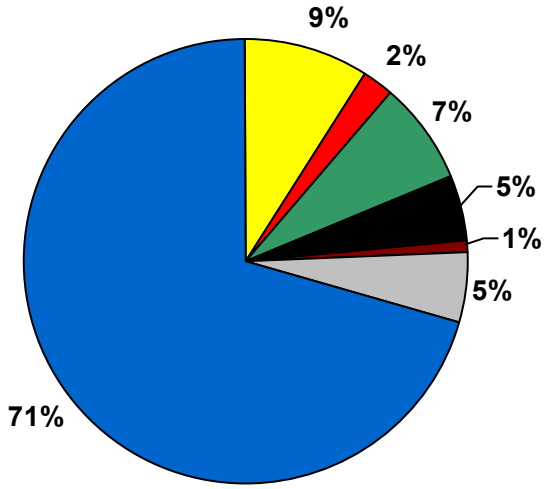
John Muir Wilderness Area, CA
2002 Reconstructed Extinction
KAIS1 Monitoring Data (every third day)

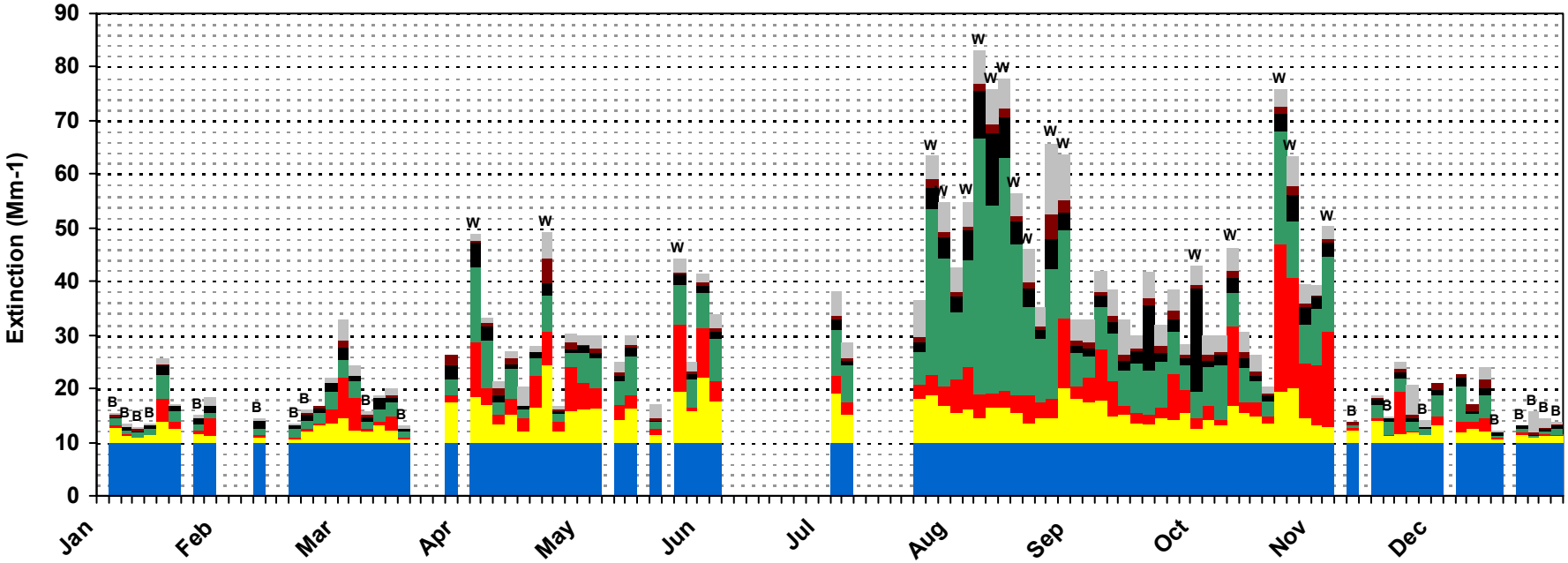
20% Worst Visibility Days
Total Extinction = 59 Mm-1 (43 to 83 Mm-1)





20% Best Visibility Days
Total Extinction = 14 Mm-1 (12 to 16 Mm-1)

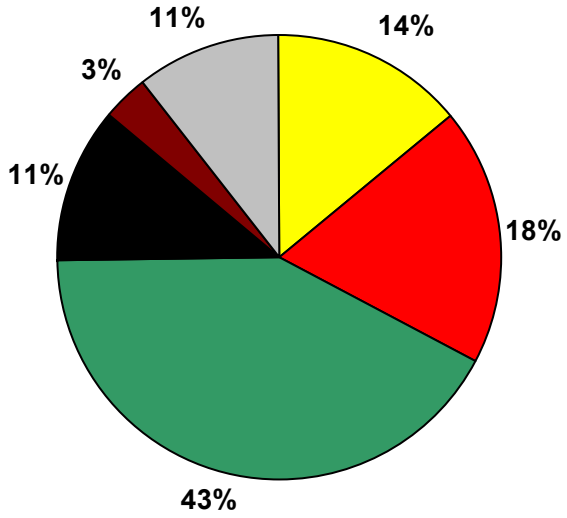


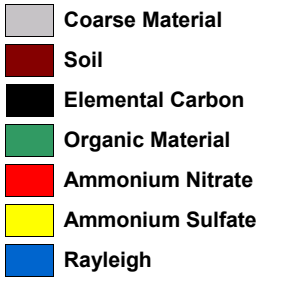


MONITORING DATA

John Muir Wilderness Area, CA
2002 Reconstructed Extinction
KAIS1 Monitoring Data (every third day)

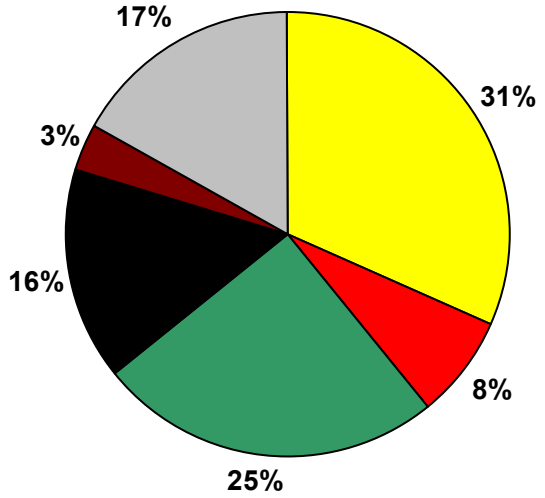
20% Worst Visibility Days
Aerosol Extinction* = 49 Mm-1 (33 to 73 Mm-1)

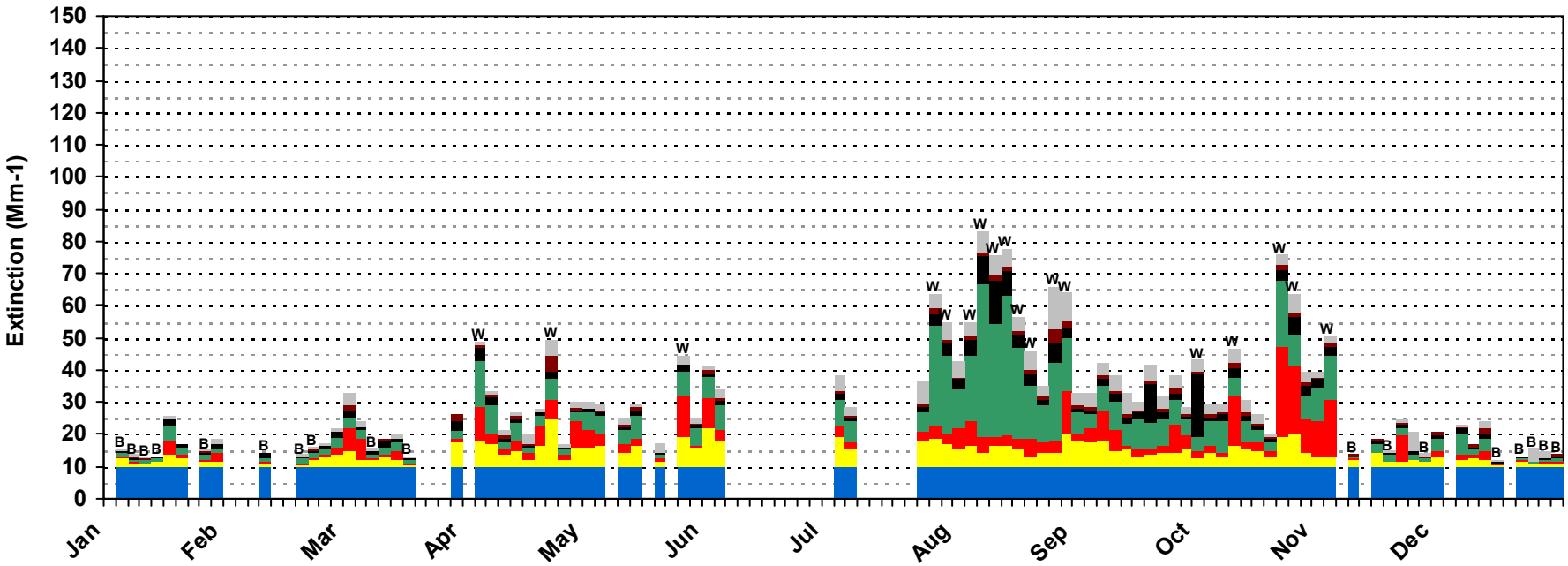




*Excludes Rayleigh Extinction

20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (2 to 6 Mm-1)

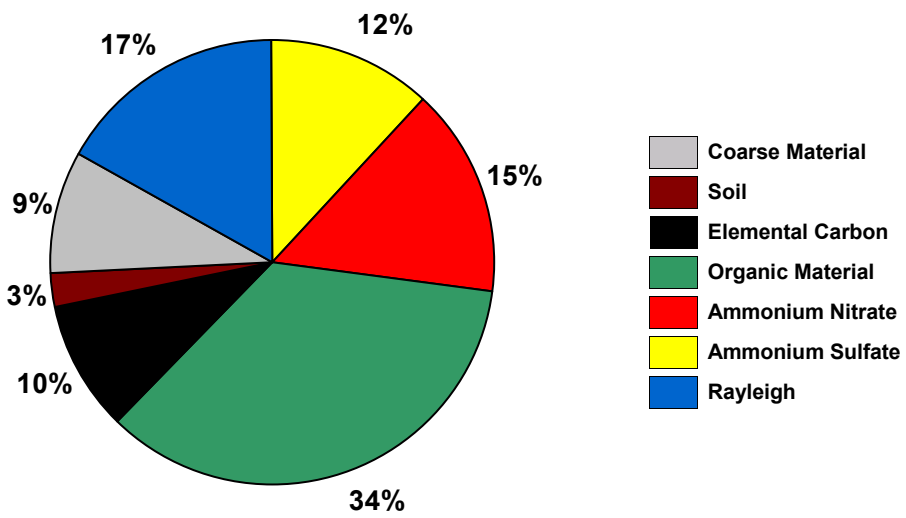




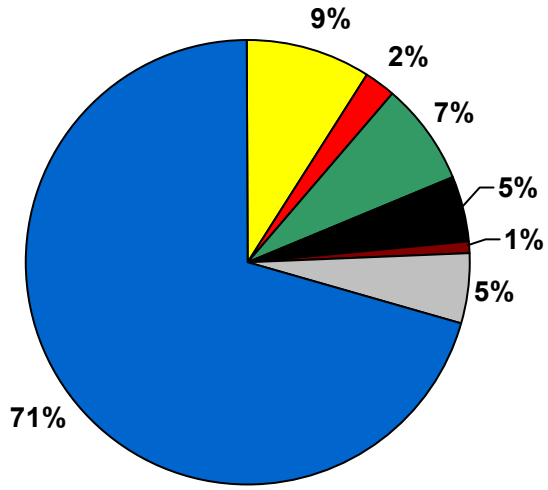
MONITORING DATA

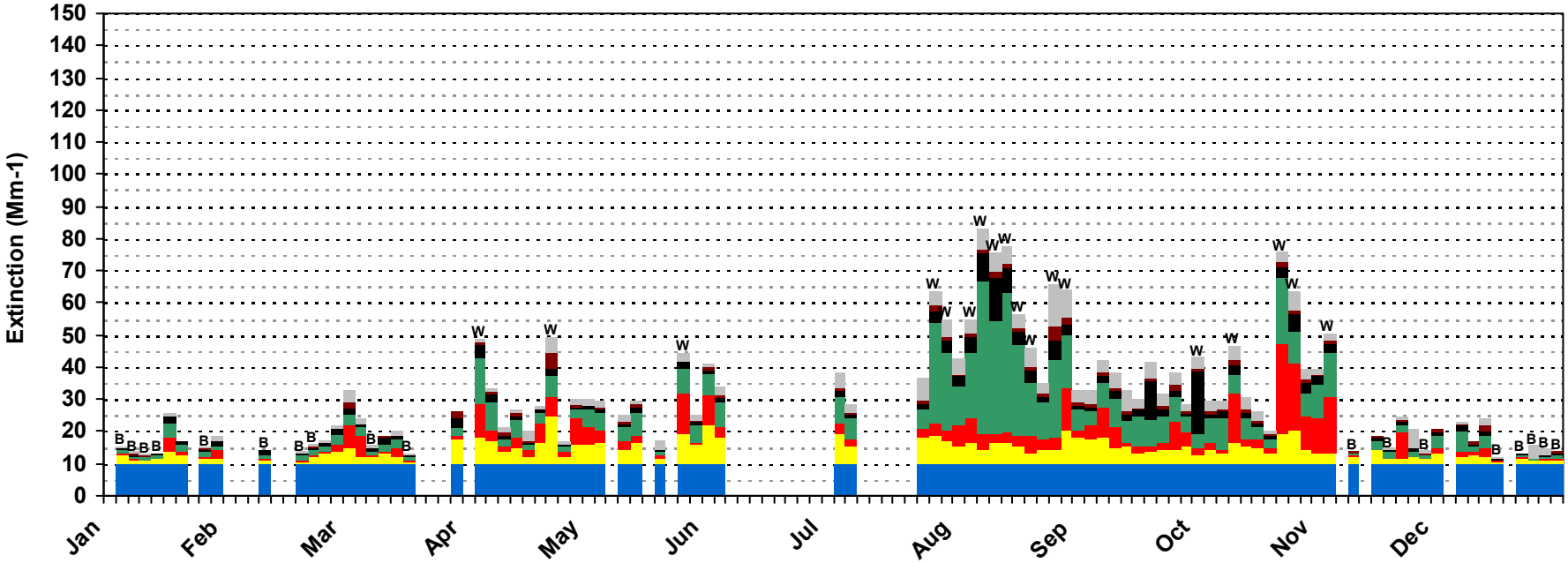
John Muir Wilderness Area, CA
2002 Reconstructed Extinction
KAIS1 Monitoring Data (every third day)

20% Worst Visibility Days
Total Extinction = 59 Mm-1 (43 to 83 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (12 to 16 Mm-1)





MONITORING DATA

John Muir Wilderness Area, CA
2002 Reconstructed Extinction Values
KAIS1 Monitoring Data (every third day)

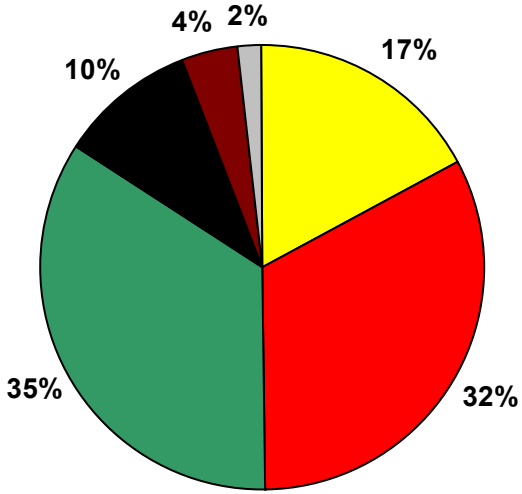
20% Worst Visibility Days			
	Average (Mm-1)	**Minimum (Mm-1)**	**Maximum (Mm-1)**
Total Extinction:	59.1 (17.8 dv)	43.1 (14.6 dv)	83.2 (21.2 dv)
Aerosol Extinction*:	49.1	33.1	73.2
	Average (Mm-1)	**% of Tot. Extinction**	**% of Aer. Extinction**
Ammonium Sulfate:	7.0	12%	14%
Ammonium Nitrate:	9.1	15%	18%
Organic Material:	20.7	35%	42%
Elemental Carbon:	5.6	10%	11%
Soil:	1.6	3%	3%
Coarse Material:	5.2	9%	11%
Rayleigh:	10.0	17%	N/A
20% Best Visibility Days			
	Average (Mm-1)	**Minimum (Mm-1)**	**Maximum (Mm-1)**
Total Extinction:	14.2 (3.5 dv)	12.2 (2.0 dv)	16.0 (4.7 dv)
Aerosol Extinction*:	4.2	2.2	6.0
	Average (Mm-1)	**% of Tot. Extinction**	**% of Aer. Extinction**
Ammonium Sulfate:	1.3	9%	32%
Ammonium Nitrate:	0.3	2%	8%
Organic Material:	1.0	7%	25%
Elemental Carbon:	0.7	5%	16%
Soil:	0.1	1%	3%
Coarse Material:	0.7	5%	17%
Rayleigh:	10.0	71%	N/A

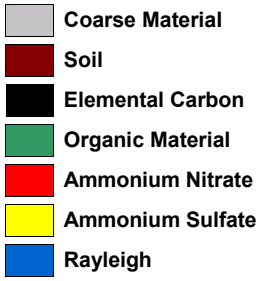
*Excludes Rayleigh Extinction

MODEL RESULTS

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

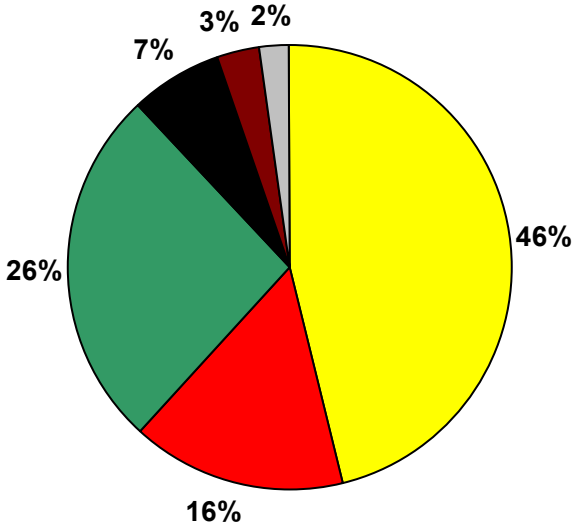
20% Worst Visibility Days
Aerosol Extinction* = 27 Mm-1 (18 to 54 Mm-1)

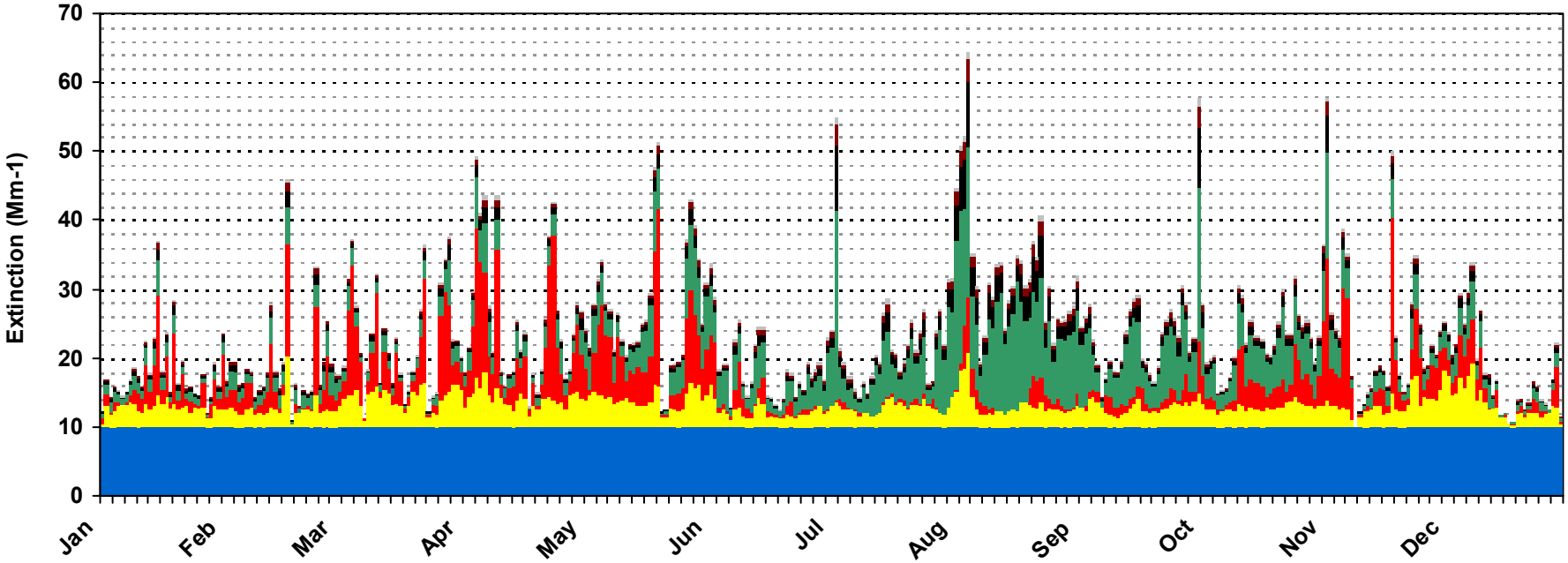




*Excludes Rayleigh Extinction

20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (0 to 6 Mm-1)

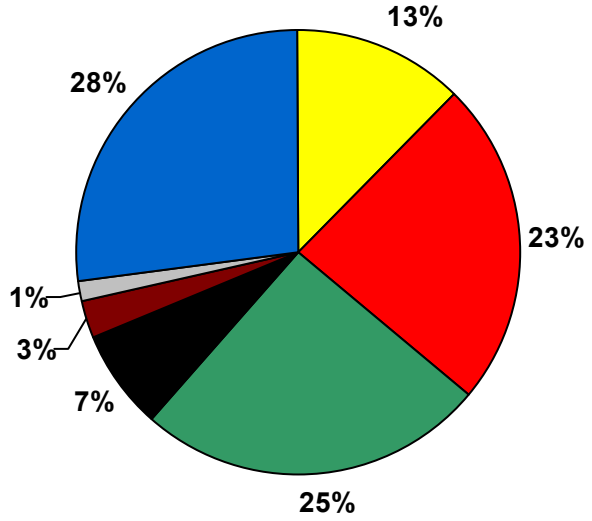


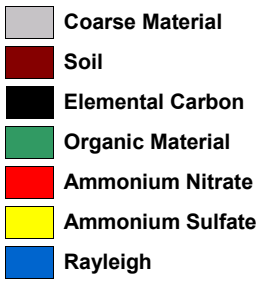


MODEL RESULTS

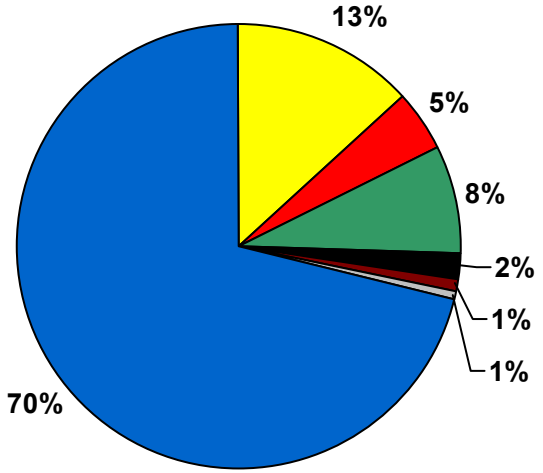
John Muir Wilderness Area, CA
2002 Reconstructed Extinction
CMAQ Model Results (every day)

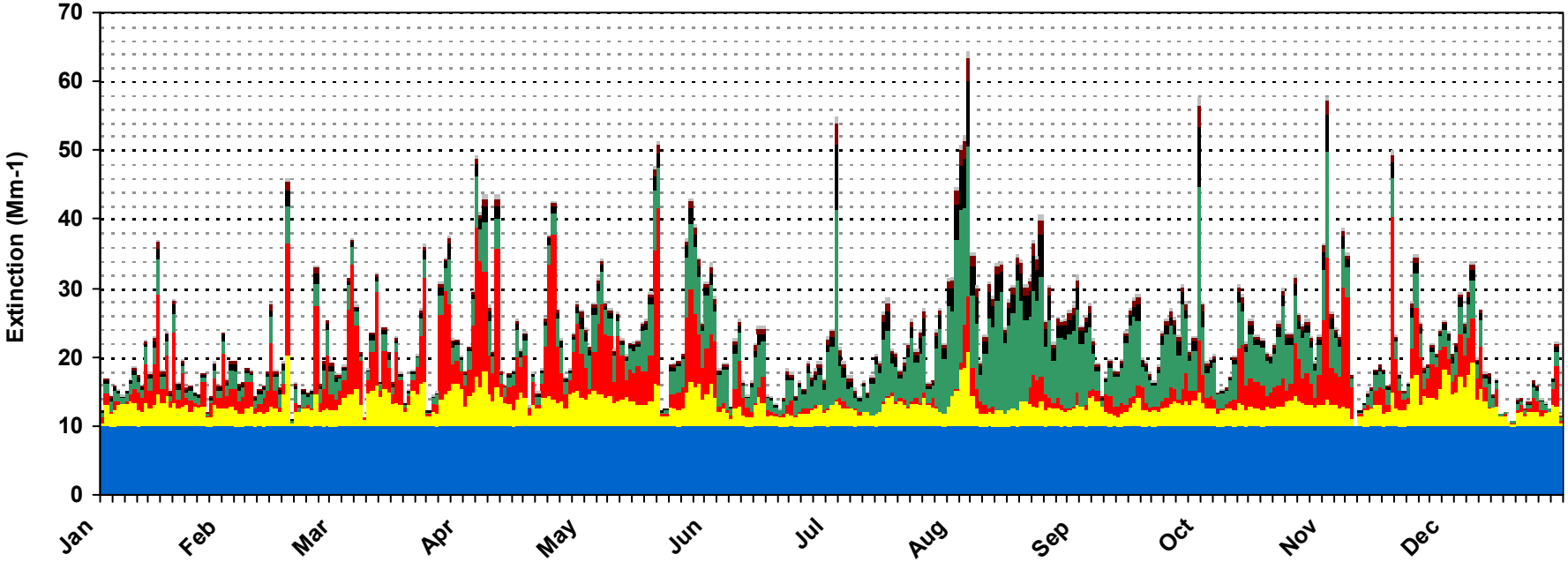
20% Worst Visibility Days
Total Extinction = 37 Mm-1 (28 to 64 Mm-1)





20% Best Visibility Days
Total Extinction = 14 Mm-1 (10 to 16 Mm-1)

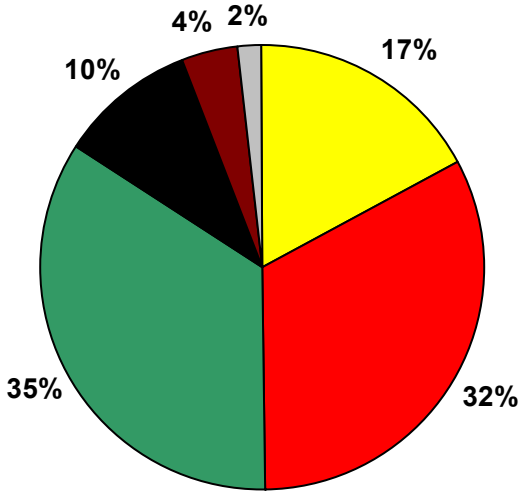


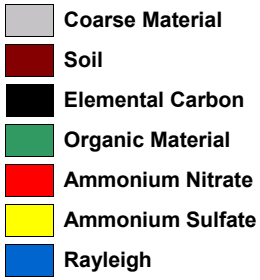


MODEL RESULTS

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

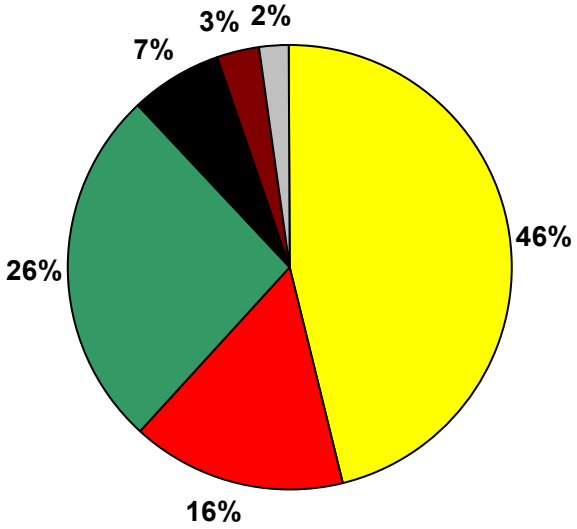
20% Worst Visibility Days
Aerosol Extinction* = 27 Mm-1 (18 to 54 Mm-1)

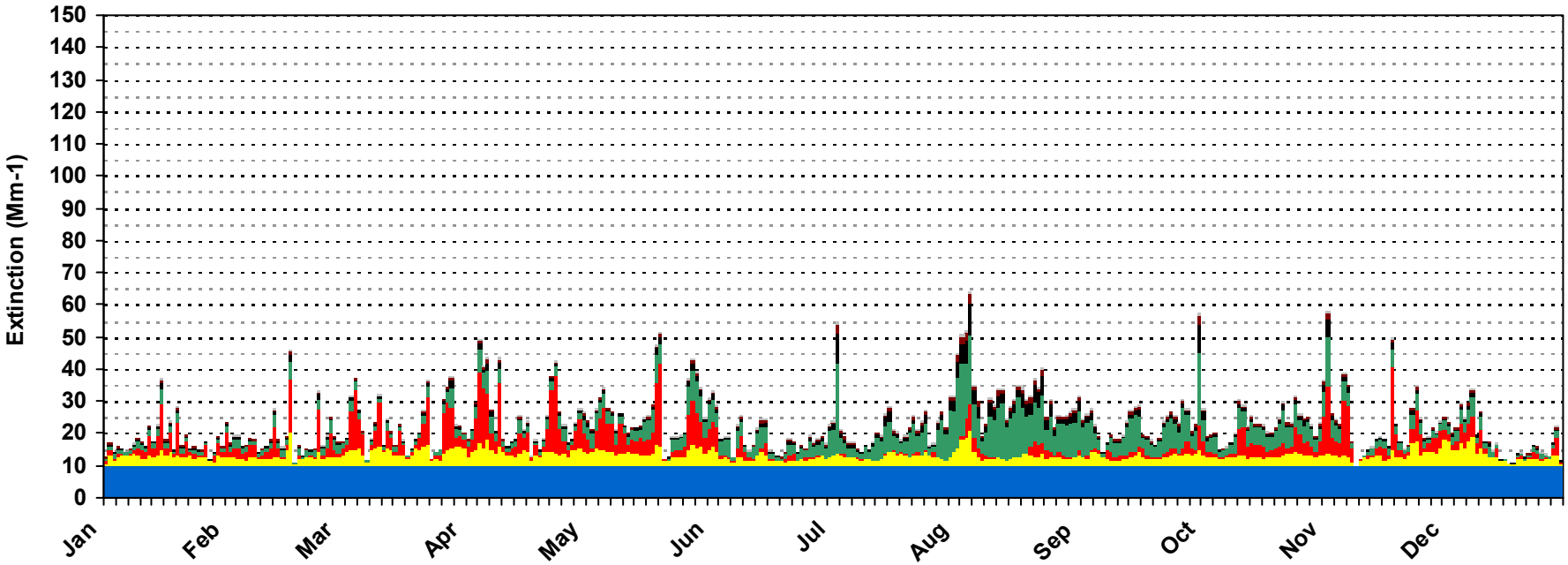




*Excludes Rayleigh Extinction

20% Best Visibility Days
Aerosol Extinction* = 4 Mm-1 (0 to 6 Mm-1)

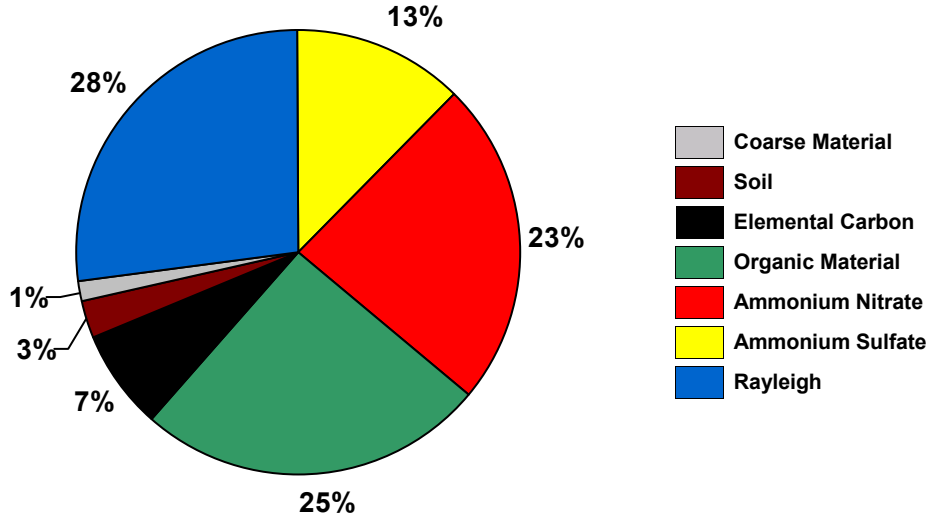




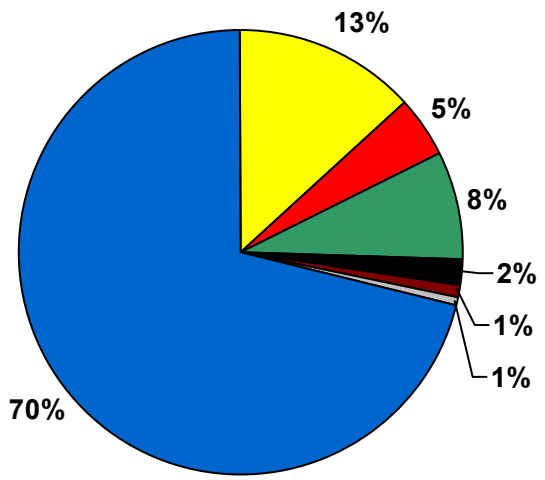
MODEL RESULTS

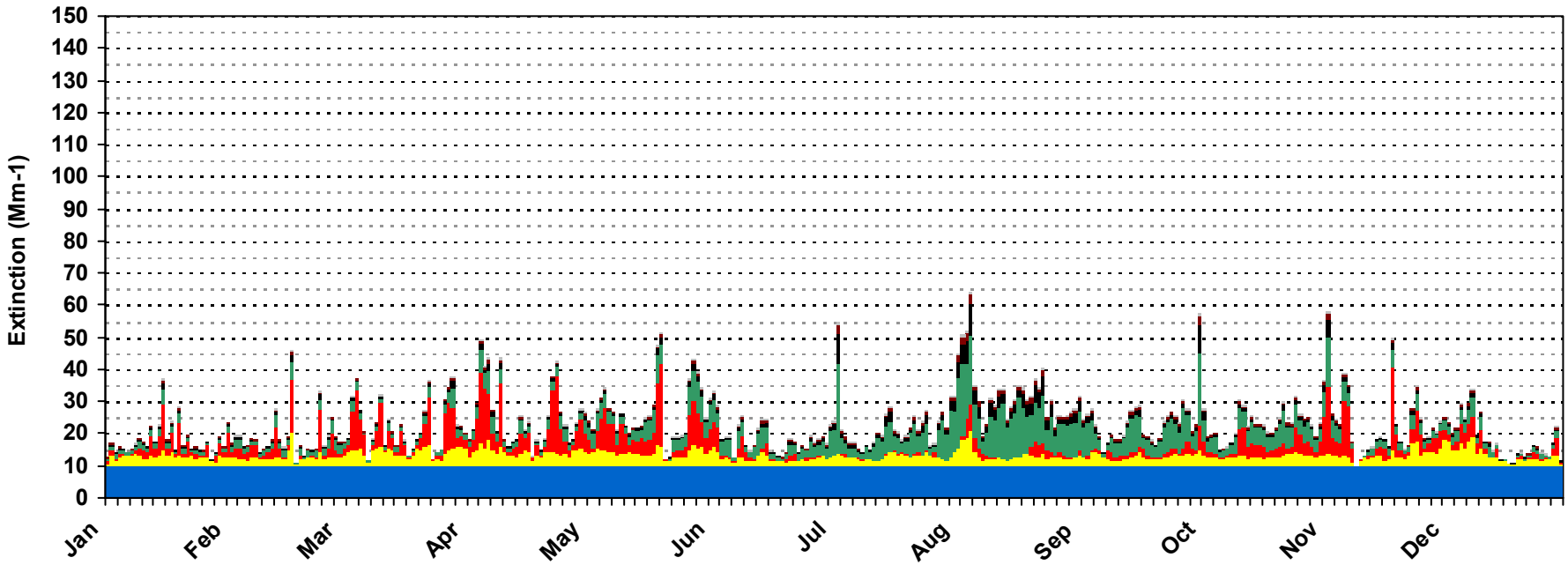
John Muir Wilderness Area, CA
2002 Reconstructed Extinction
CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 37 Mm-1 (28 to 64 Mm-1)



20% Best Visibility Days
Total Extinction = 14 Mm-1 (10 to 16 Mm-1)





MODEL RESULTS

John Muir 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:	36.6 (13.0 dv)	28.2 (10.4 dv)	64.3 (18.6 dv)
Aerosol Extinction*:	26.6	18.2	54.3
	Average (Mm-1)	**% of Tot. Extinction**	**% of Aer. Extinction**
Ammonium Sulfate:	4.6	13%	17%
Ammonium Nitrate:	8.6	23%	32%
Organic Material:	9.2	25%	35%
Elemental Carbon:	2.7	7%	10%
Soil:	1.1	3%	4%
Coarse Material:	0.5	1%	2%
Rayleigh:	10.0	27%	N/A
20% Best Visibility Days			
	Average (Mm-1)	**Minimum (Mm-1)**	**Maximum (Mm-1)**
Total Extinction:	14.1 (3.4 dv)	10.0 (0.0 dv)	16.1 (4.8 dv)
Aerosol Extinction*:	4.1	0.0	6.1
	Average (Mm-1)	**% of Tot. Extinction**	**% of Aer. Extinction**
Ammonium Sulfate:	1.9	13%	46%
Ammonium Nitrate:	0.6	5%	16%
Organic Material:	1.1	8%	26%
Elemental Carbon:	0.3	2%	7%
Soil:	0.1	1%	3%
Coarse Material:	0.1	1%	2%
Rayleigh:	10.0	71%	N/A

*Excludes Rayleigh Extinction