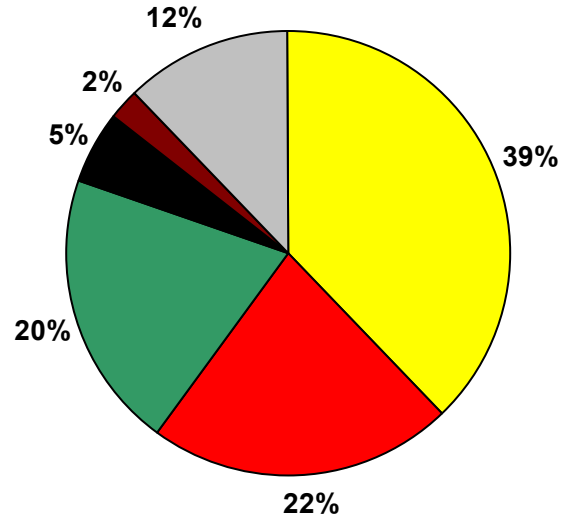


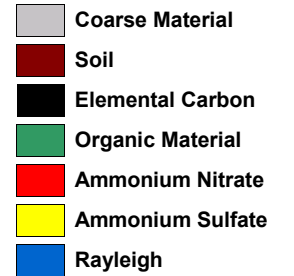
MONITORING DATA

Fort Peck Tribes, MT 2002 Reconstructed Extinction FOPE1 Monitoring Data (every third day)

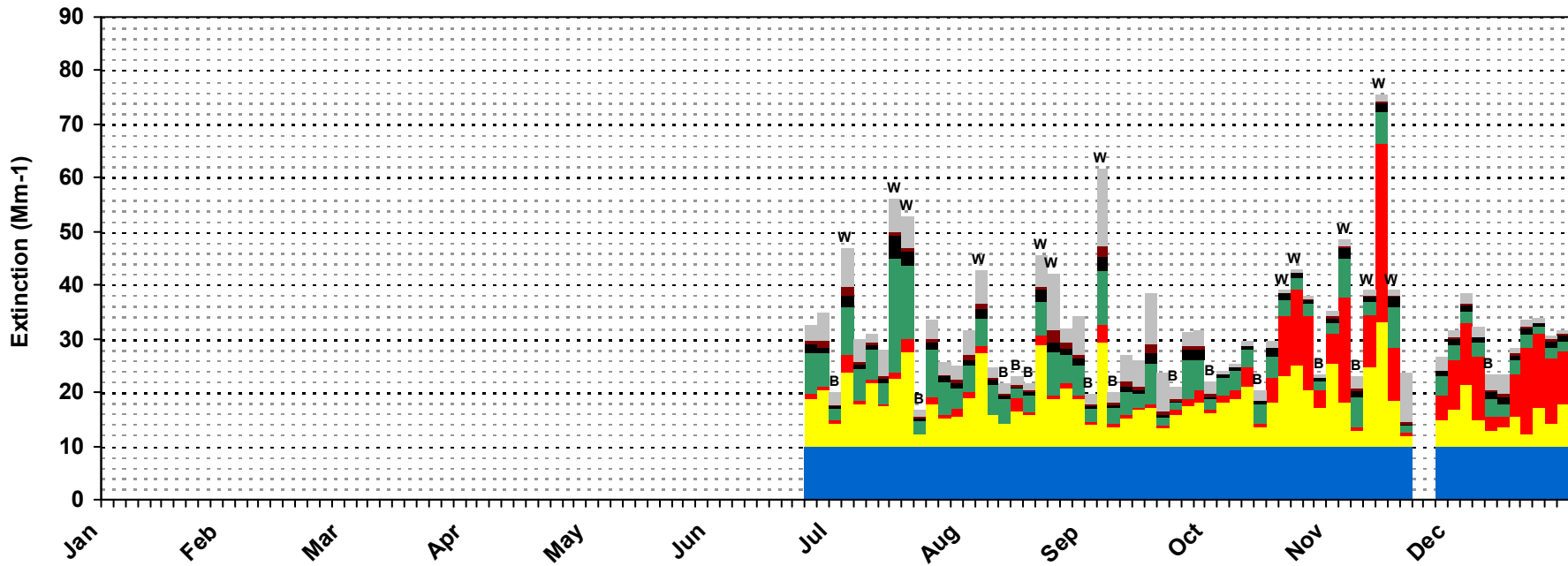
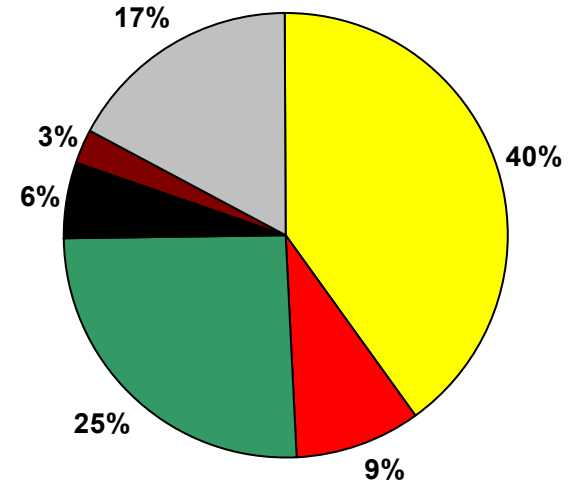
20% Worst Visibility Days
Aerosol Extinction* = 39 Mm⁻¹ (29 to 65 Mm⁻¹)



20% Best Visibility Days
Aerosol Extinction* = 11 Mm⁻¹ (7 to 13 Mm⁻¹)



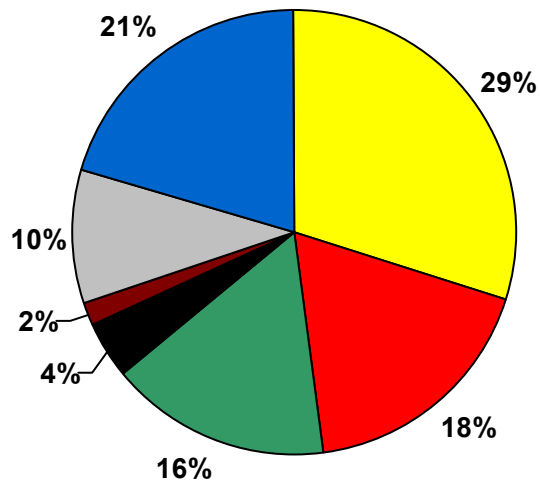
*Excludes Rayleigh Extinction



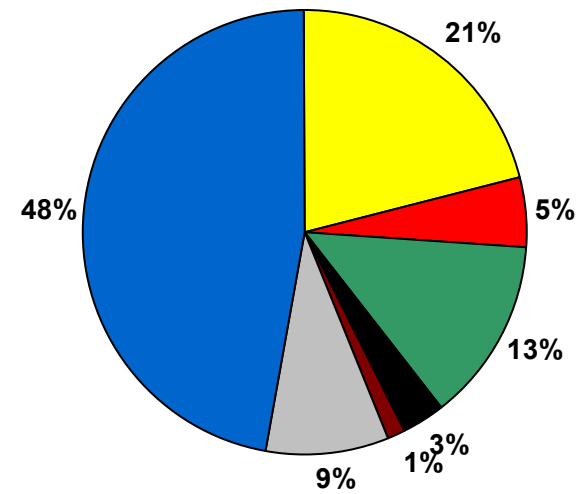
MONITORING DATA

**Fort Peck Tribes, MT
2002 Reconstructed Extinction
FOPE1 Monitoring Data (every third day)**

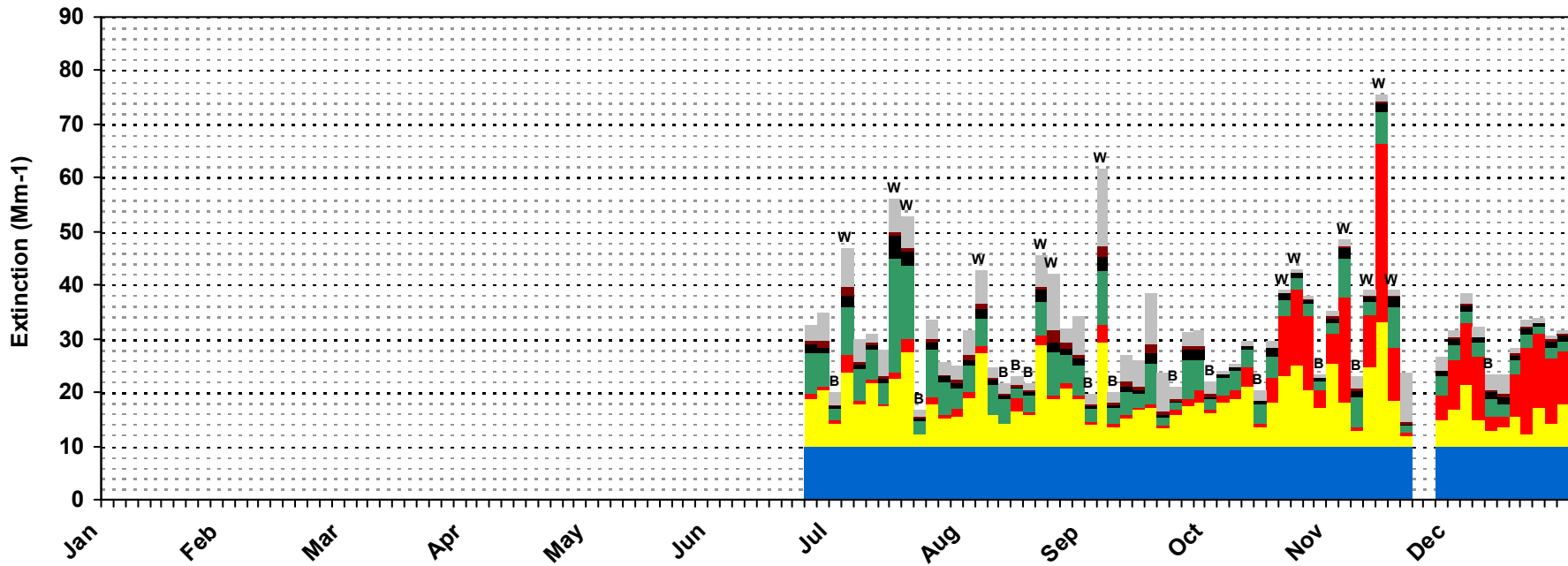
20% Worst Visibility Days
Total Extinction = 49 Mm-1 (39 to 75 Mm-1)



20% Best Visibility Days
Total Extinction = 21 Mm-1 (17 to 23 Mm-1)



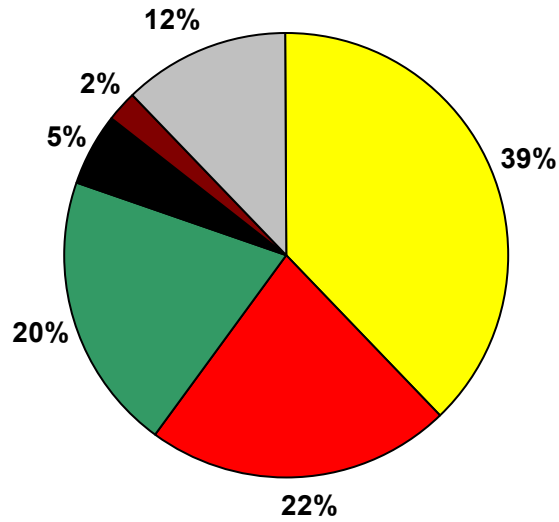
- Coarse Material
- Soil
- Elemental Carbon
- Organic Material
- Ammonium Nitrate
- Ammonium Sulfate
- Rayleigh



MONITORING DATA

**Fort Peck Tribes, MT
2002 Reconstructed Extinction
FOPE1 Monitoring Data (every third day)**

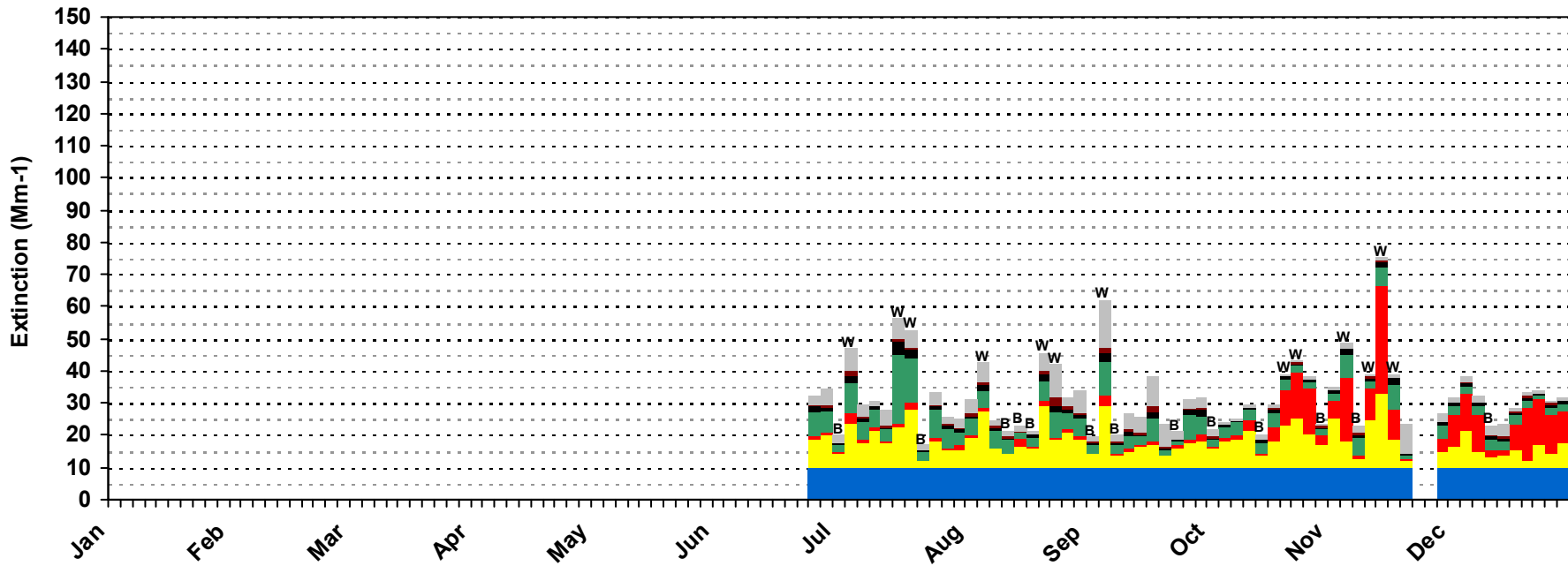
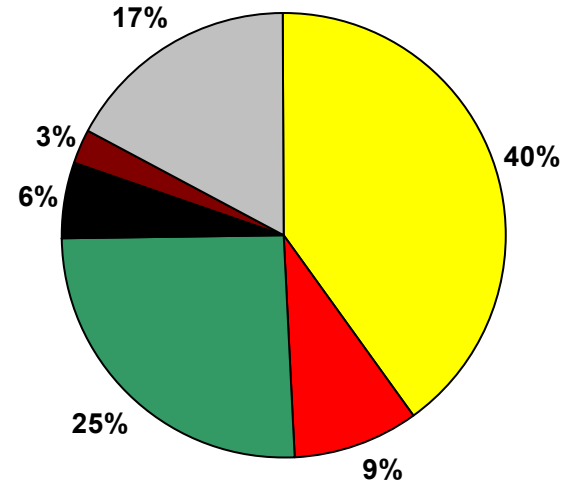
20% Worst Visibility Days
Aerosol Extinction* = 39 Mm-1 (29 to 65 Mm-1)



20% Best Visibility Days
Aerosol Extinction* = 11 Mm-1 (7 to 13 Mm-1)

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

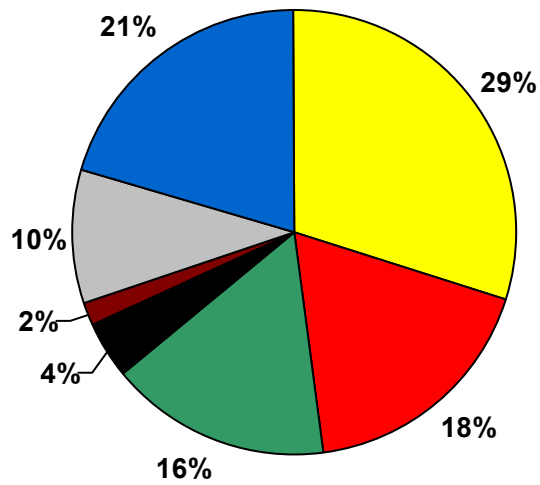
*Excludes Rayleigh Extinction



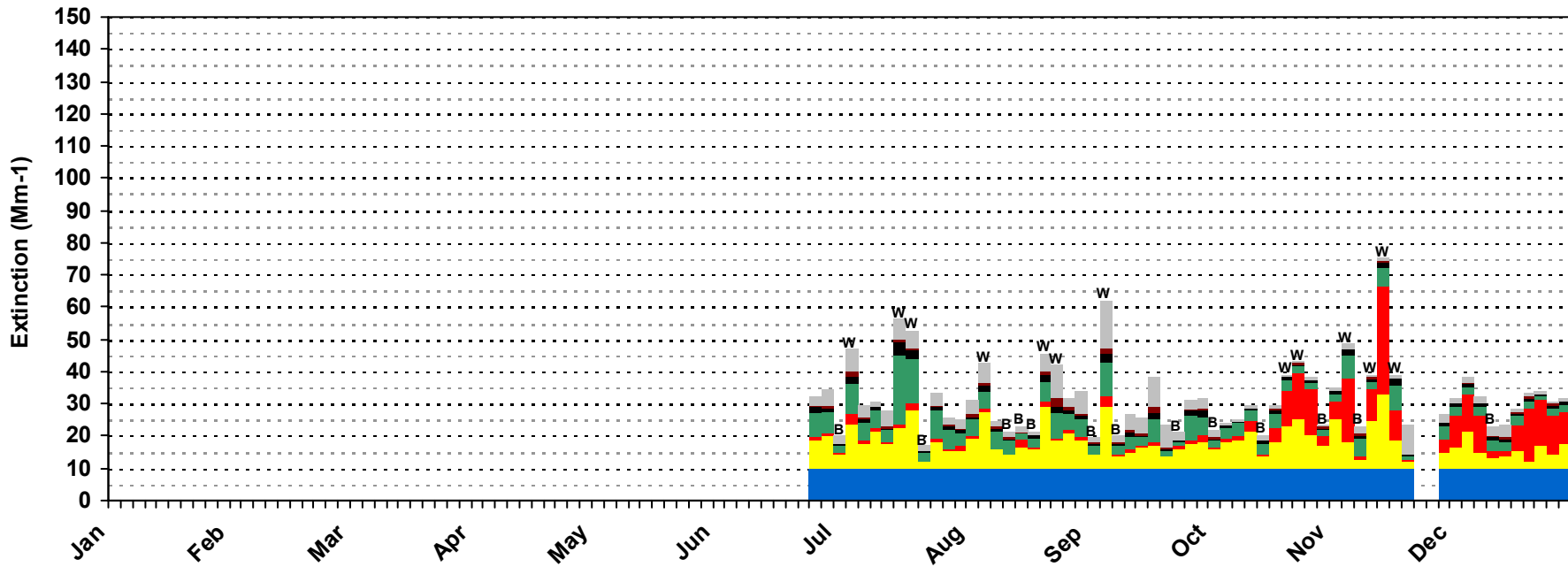
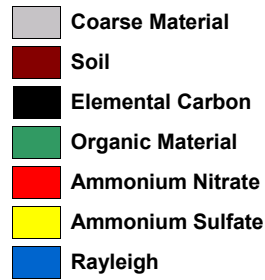
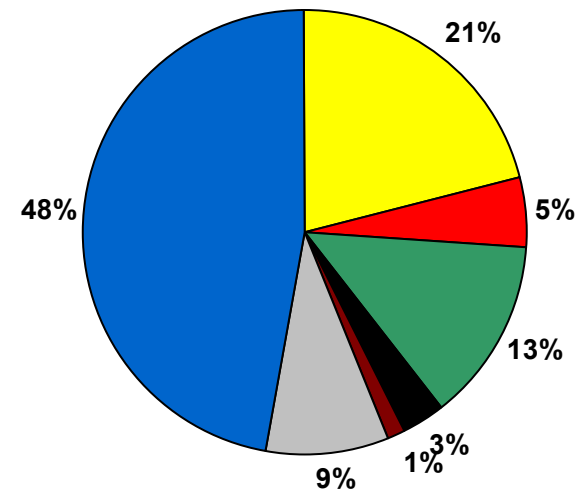
MONITORING DATA

Fort Peck Tribes, MT 2002 Reconstructed Extinction FOPE1 Monitoring Data (every third day)

20% Worst Visibility Days
Total Extinction = 49 Mm-1 (39 to 75 Mm-1)



20% Best Visibility Days
Total Extinction = 21 Mm-1 (17 to 23 Mm-1)



MONITORING DATA

Fort Peck Tribes, MT 2002 Reconstructed Extinction Values FOPE1 Monitoring Data (every third day)

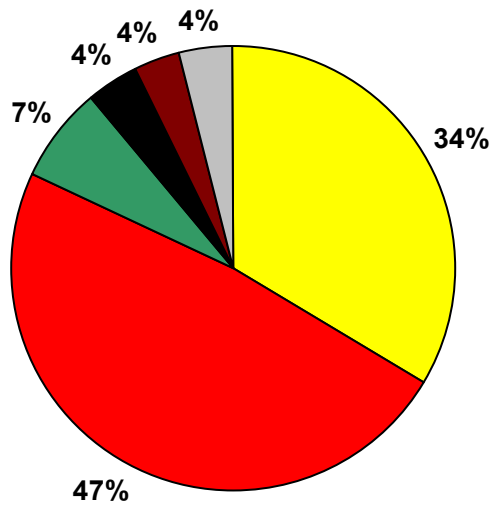
20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	48.6 (15.8 dv)	39.1 (13.6 dv)	75.5 (20.2 dv)
Aerosol Extinction*:	38.6	29.1	65.5
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	14.6	30%	38%
Ammonium Nitrate:	8.6	18%	22%
Organic Material:	7.9	16%	20%
Elemental Carbon:	2.0	4%	5%
Soil:	0.8	2%	2%
Coarse Material:	4.7	10%	12%
Rayleigh:	10.0	21%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	21.2 (7.5 dv)	16.9 (5.2 dv)	23.3 (8.5 dv)
Aerosol Extinction*:	11.2	6.9	13.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	4.5	21%	40%
Ammonium Nitrate:	1.0	5%	9%
Organic Material:	2.9	13%	25%
Elemental Carbon:	0.6	3%	6%
Soil:	0.3	1%	3%
Coarse Material:	1.9	9%	17%
Rayleigh:	10.0	47%	N/A

*Excludes Rayleigh Extinction

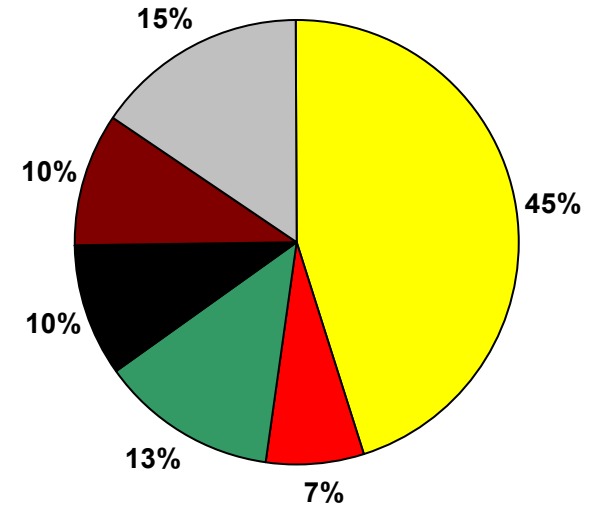
MODEL RESULTS

**Fort Peck Tribes, MT
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 46 Mm-1 (34 to 83 Mm-1)

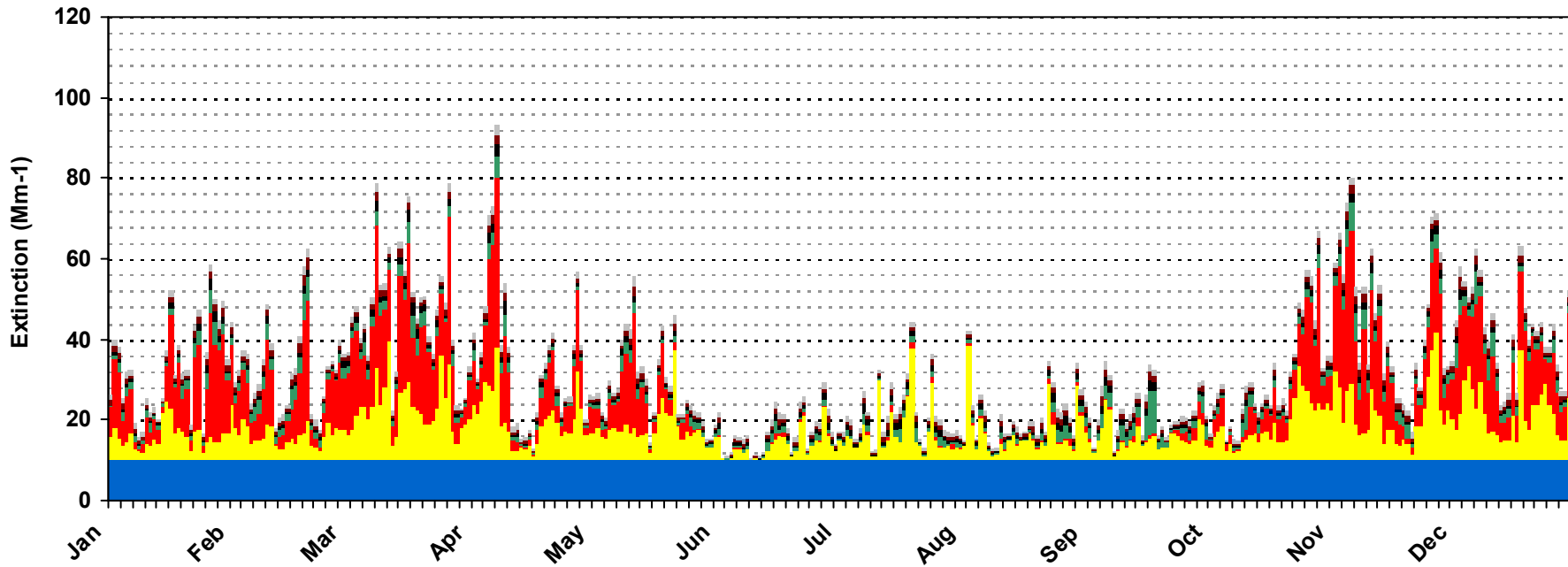


20% Best Visibility Days
Aerosol Extinction* = 5 Mm-1 (0 to 9 Mm-1)



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

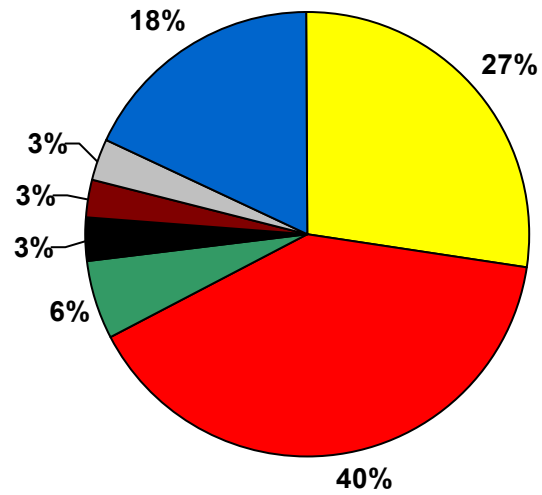
*Excludes Rayleigh Extinction



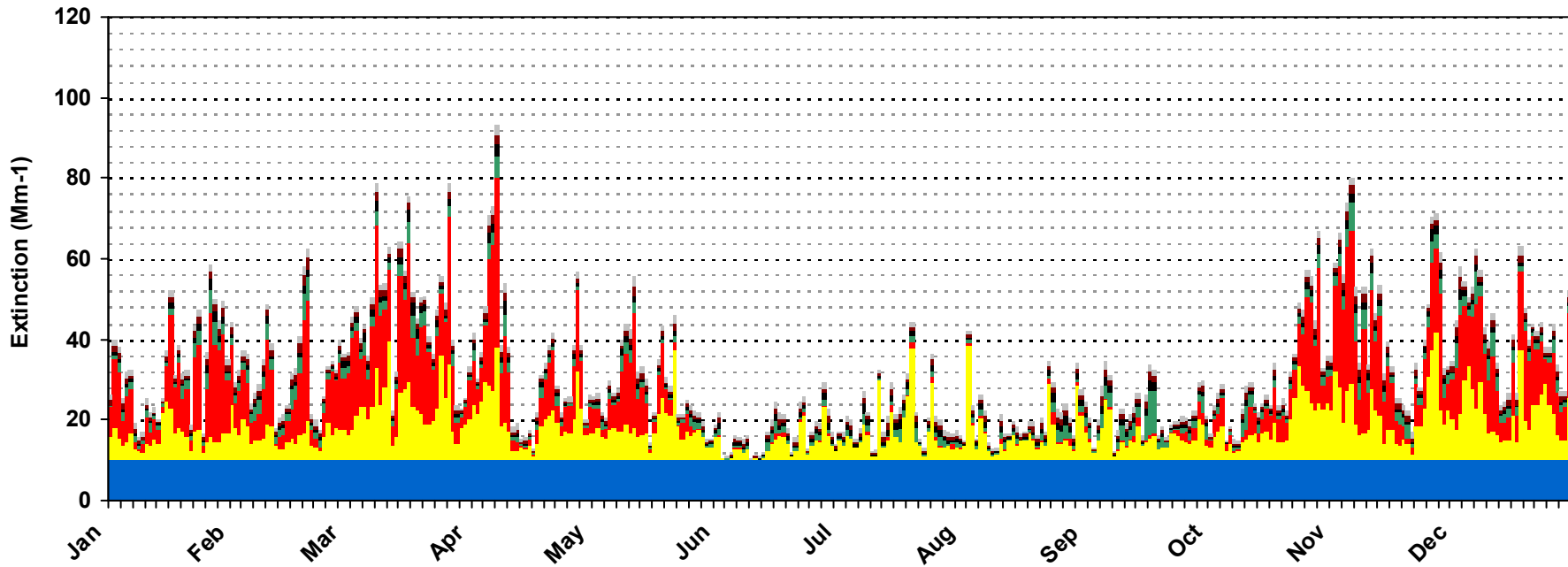
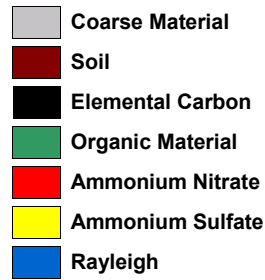
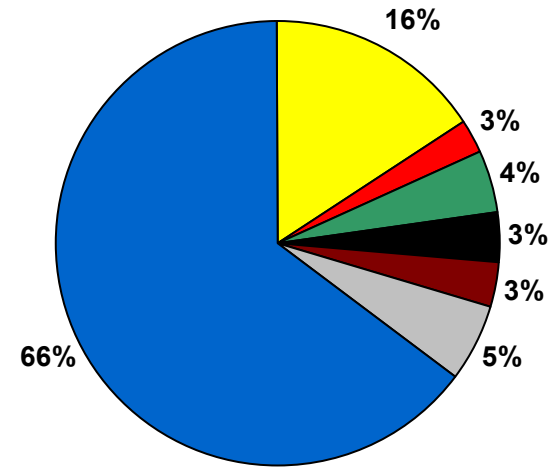
MODEL RESULTS

Fort Peck Tribes, MT 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 56 Mm⁻¹ (44 to 93 Mm⁻¹)



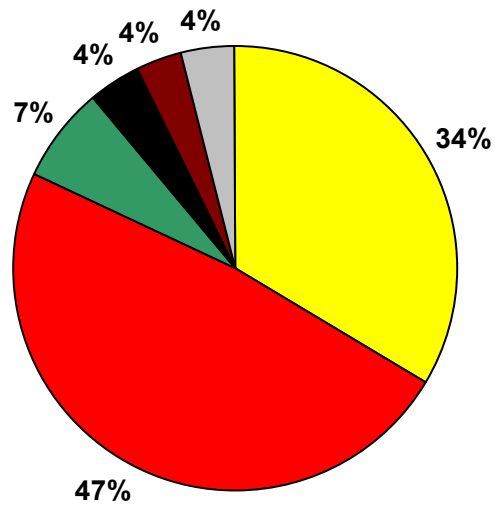
20% Best Visibility Days
Total Extinction = 15 Mm⁻¹ (10 to 19 Mm⁻¹)



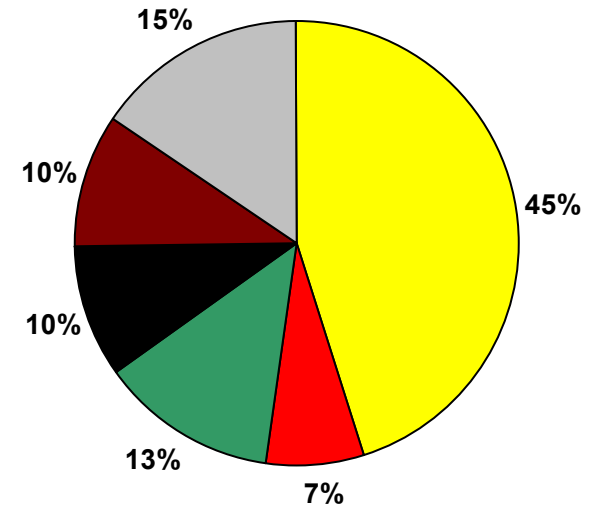
MODEL RESULTS

**Fort Peck Tribes, MT
2002 Reconstructed Extinction
CMAQ Model Results (every day)**

20% Worst Visibility Days
Aerosol Extinction* = 46 Mm-1 (34 to 83 Mm-1)

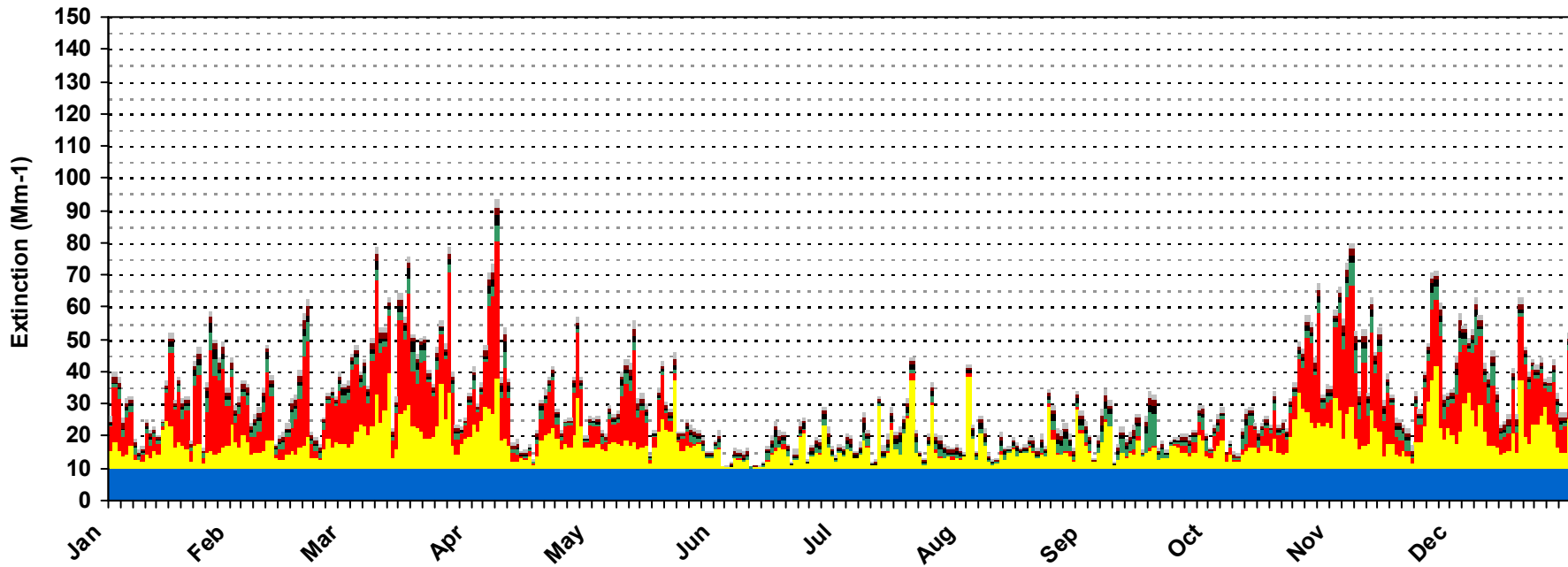


20% Best Visibility Days
Aerosol Extinction* = 5 Mm-1 (0 to 9 Mm-1)



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

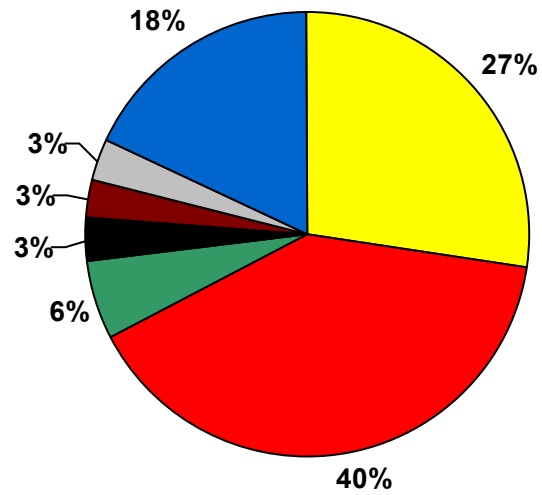
*Excludes Rayleigh Extinction



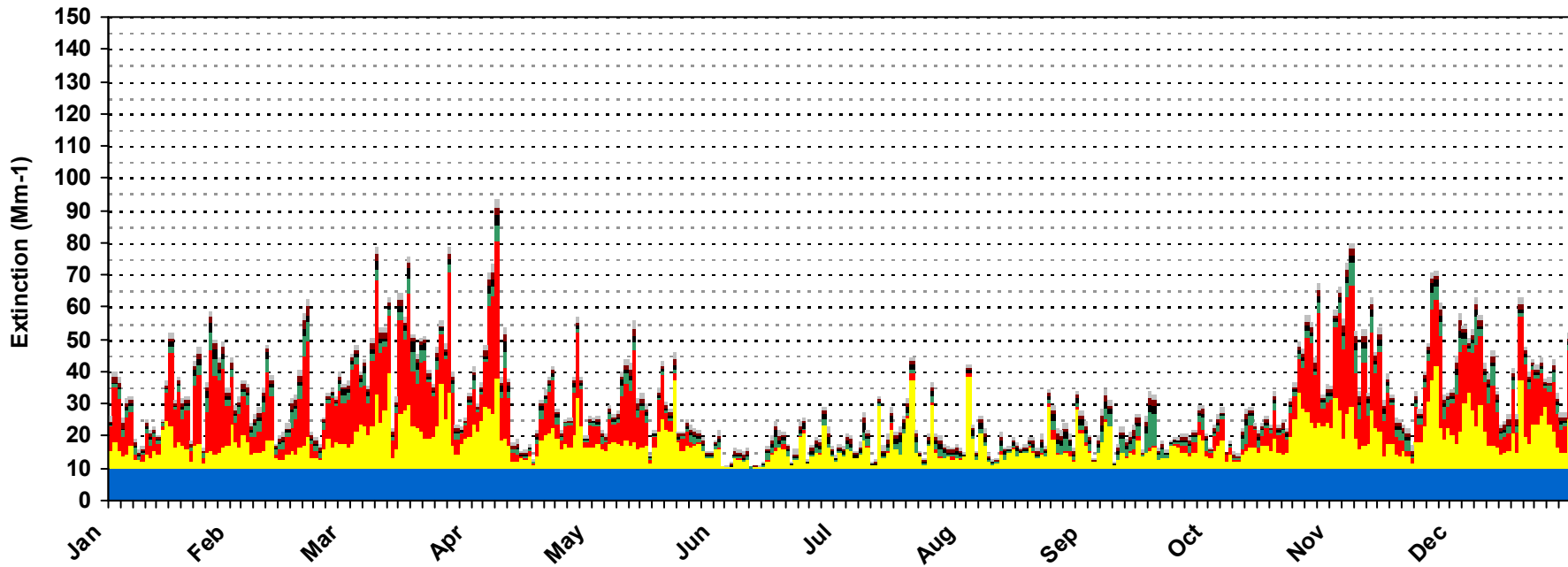
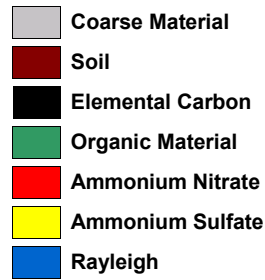
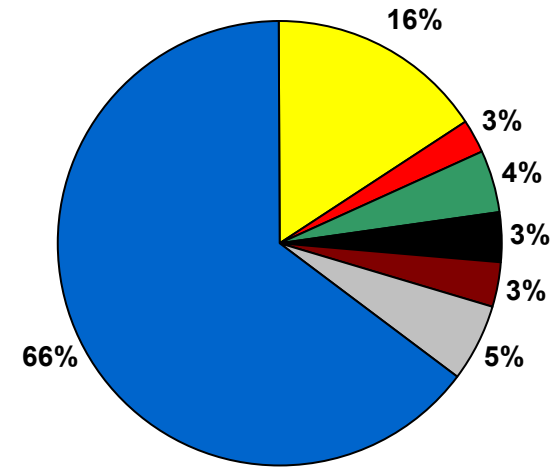
MODEL RESULTS

Fort Peck Tribes, MT 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days
Total Extinction = 56 Mm-1 (44 to 93 Mm-1)



20% Best Visibility Days
Total Extinction = 15 Mm-1 (10 to 19 Mm-1)



MODEL RESULTS

Fort Peck Tribes, MT 2002 Reconstructed Extinction CMAQ Model Results (every day)

20% Worst Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	55.7 (17.2 dv)	43.6 (14.7 dv)	93.3 (22.3 dv)
Aerosol Extinction*:	45.7	33.6	83.3
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	15.3	27%	34%
Ammonium Nitrate:	22.1	40%	48%
Organic Material:	3.2	6%	7%
Elemental Carbon:	1.7	3%	4%
Soil:	1.6	3%	4%
Coarse Material:	1.7	3%	4%
Rayleigh:	10.0	18%	N/A
20% Best Visibility Days			
	Average (Mm-1)	Minimum (Mm-1)	Maximum (Mm-1)
Total Extinction:	15.4 (4.3 dv)	10.4 (0.4 dv)	18.8 (6.3 dv)
Aerosol Extinction*:	5.4	0.4	8.8
	Average (Mm-1)	% of Tot. Extinction	% of Aer. Extinction
Ammonium Sulfate:	2.5	16%	45%
Ammonium Nitrate:	0.4	3%	7%
Organic Material:	0.7	4%	13%
Elemental Carbon:	0.5	3%	10%
Soil:	0.5	3%	10%
Coarse Material:	0.8	5%	15%
Rayleigh:	10.0	65%	N/A

*Excludes Rayleigh Extinction