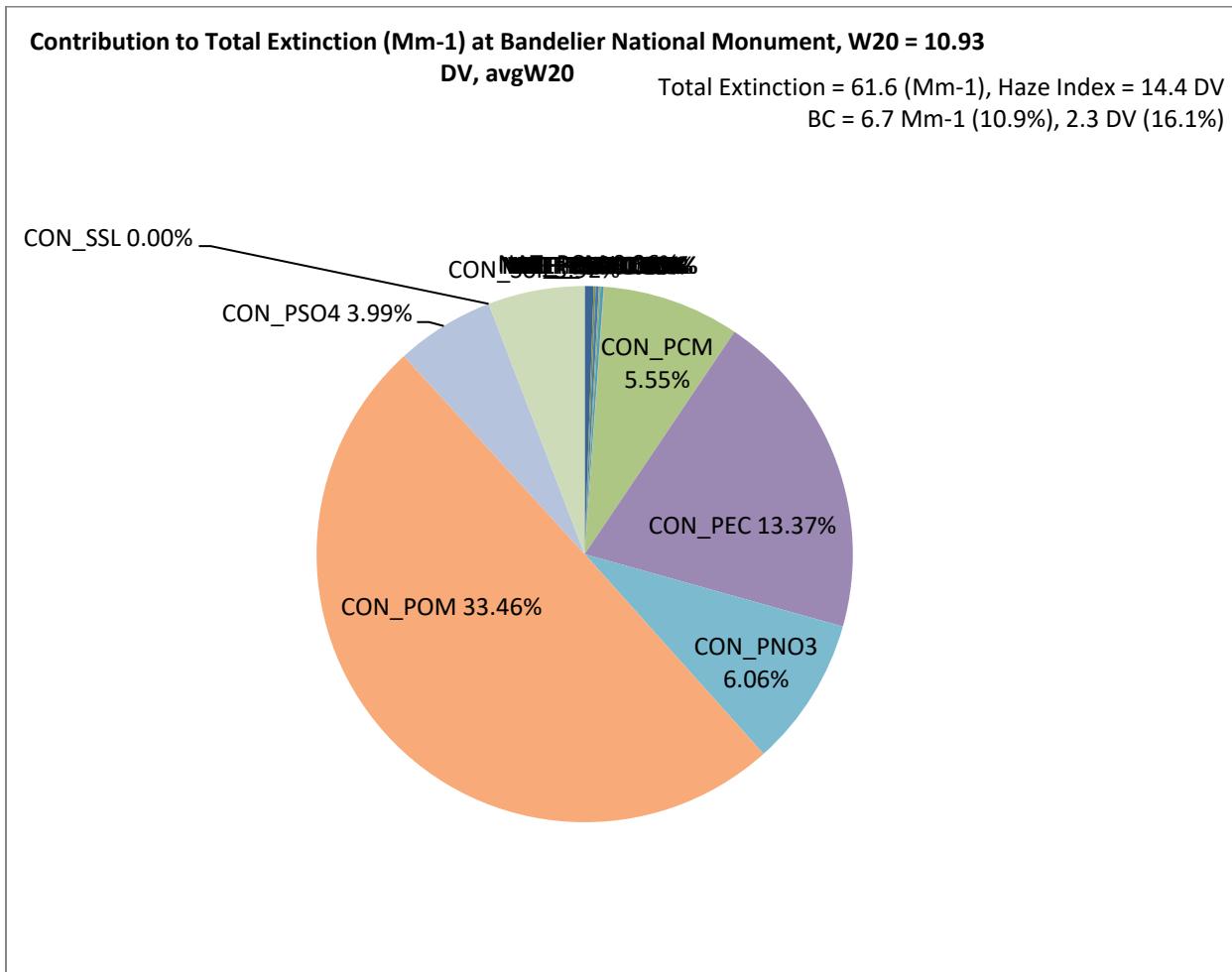


Appendix F
Visibility Pie Charts

Source category, species and state contributions to each Class I area for the average 20% worst modeled visibility days

New Mexico IMPROVE sites

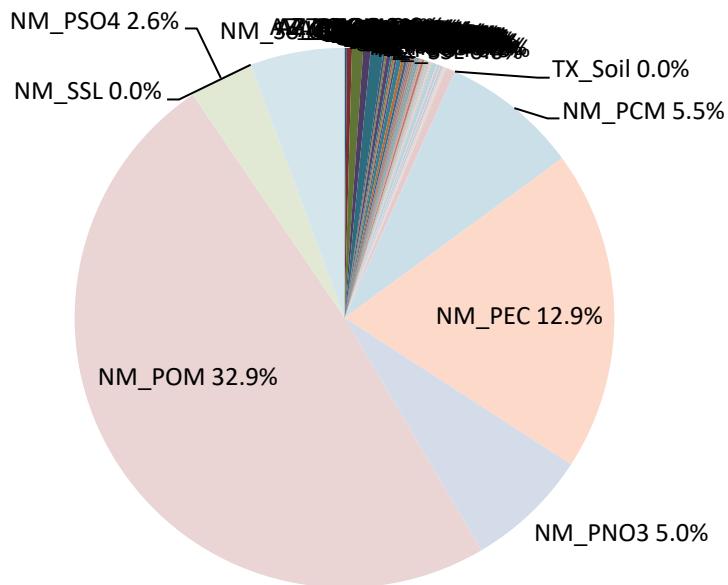
Bandelier National Monument



Contribution to Total Extinction (Mm-1) at Bandelier National Monument, W20 = 10.93

DV, avgW20

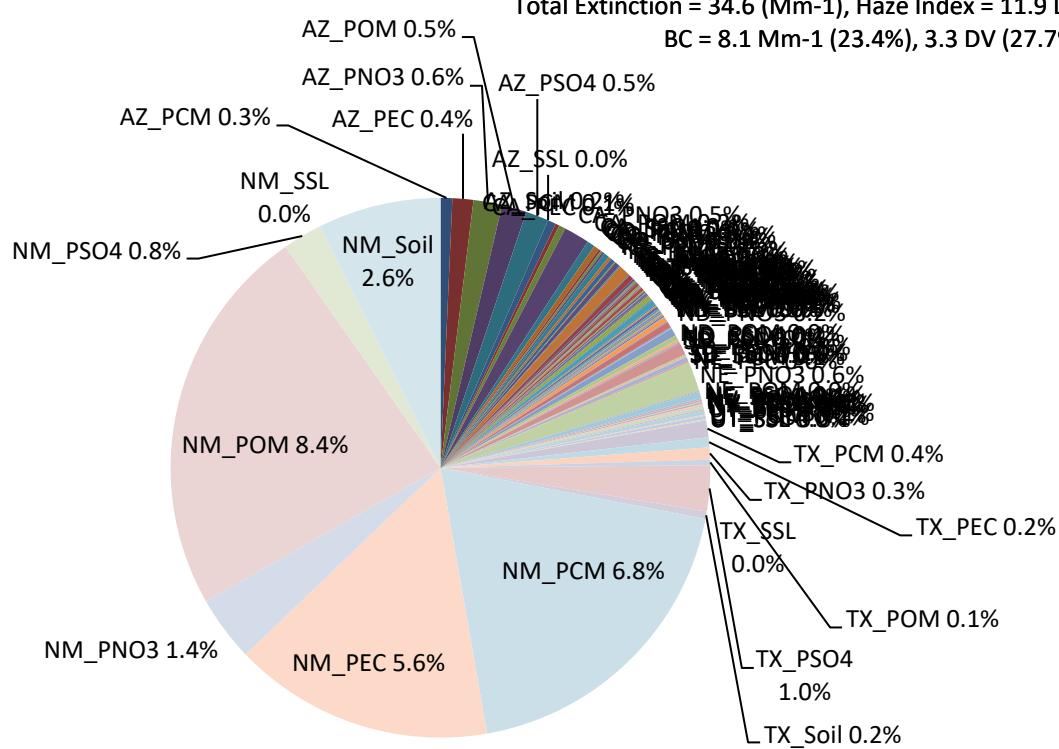
Total Extinction = 61.6 (Mm-1), Haze Index = 14.4 DV
BC = 6.7 Mm-1 (10.9%), 2.3 DV (16.1%)



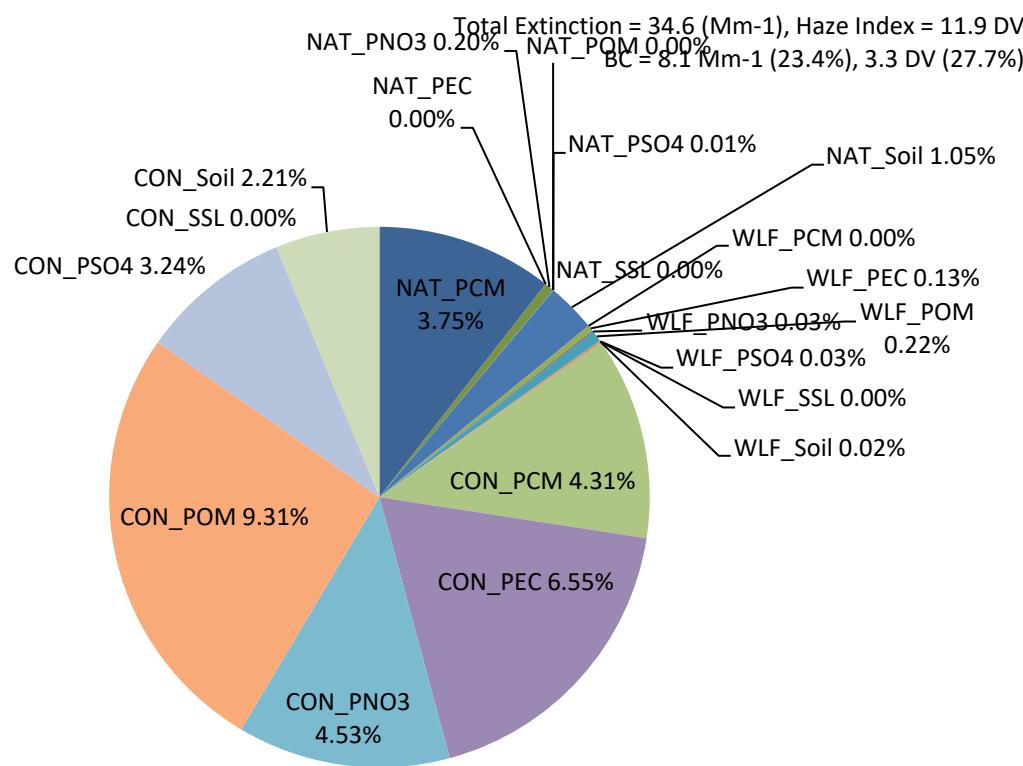
Bosque Del Apache National Wildlife Refuge

Contribution to Total Extinction (Mm⁻¹) at Bosque del Apache, W20 = 10.28 DV, avgW20

Total Extinction = 34.6 (Mm⁻¹), Haze Index = 11.9 DV
BC = 8.1 Mm⁻¹ (23.4%), 3.3 DV (27.7%)



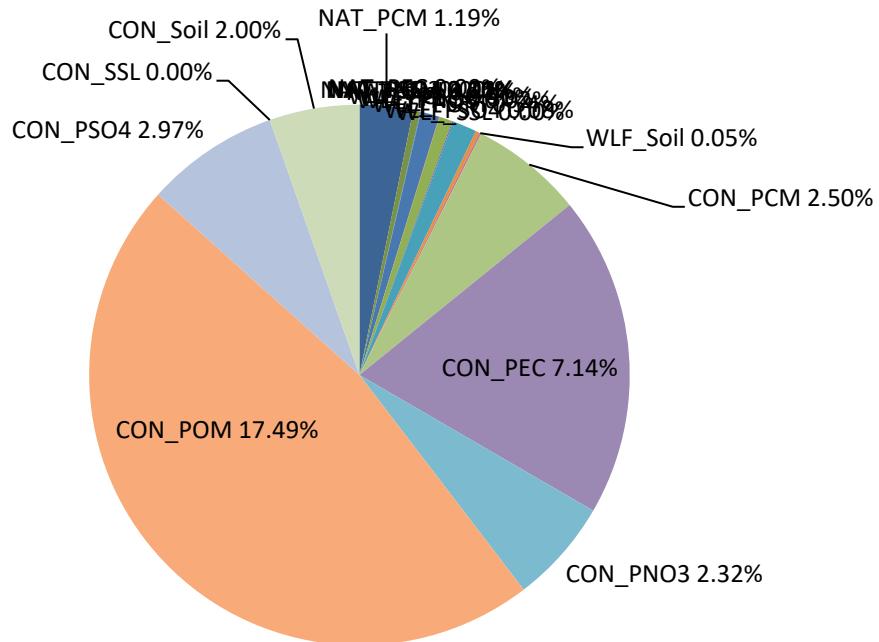
Contribution to Total Extinction (Mm-1) at Bosque del Apache, W20 = 10.28 DV, avgW20

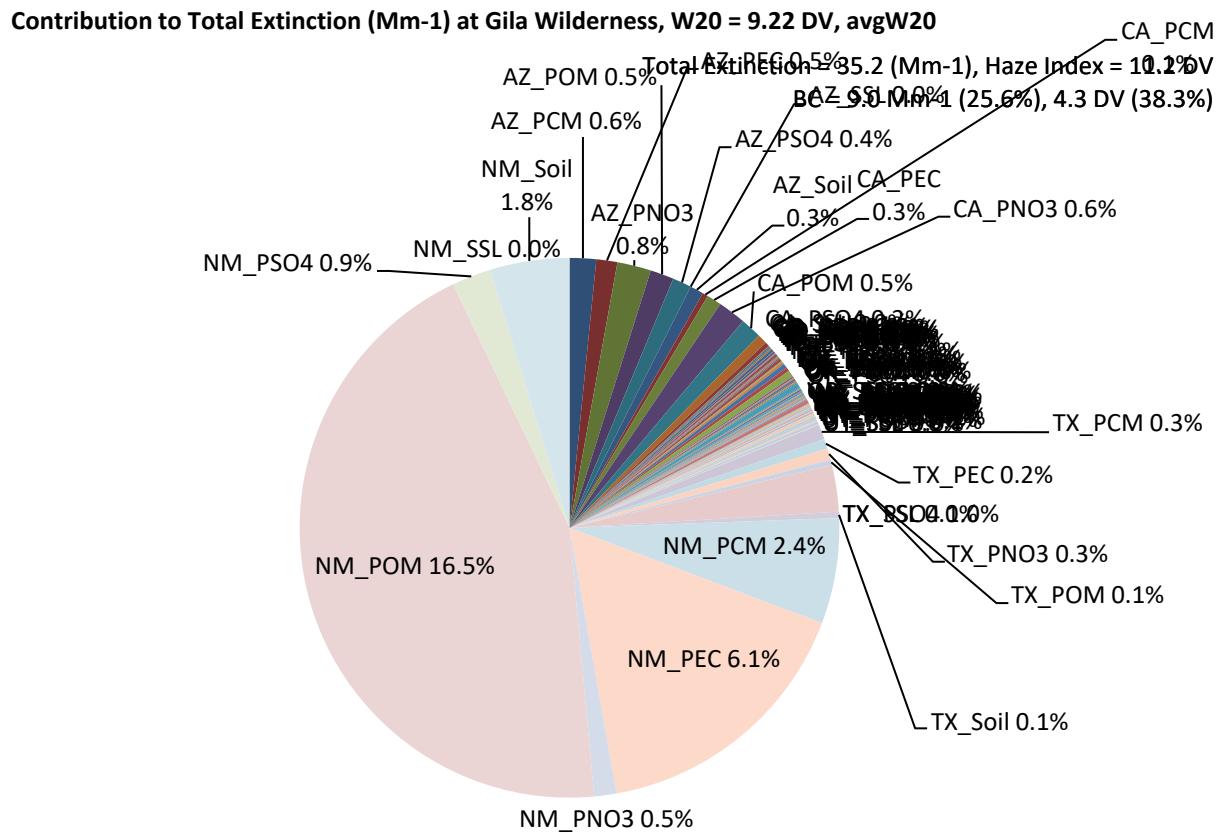


Gila Wilderness

Contribution to Total Extinction (Mm-1) at Gila Wilderness, W20 = 9.22 DV, avgW20

Total Extinction = 35.2 (Mm-1), Haze Index = 11.2 DV
BC = 9.0 Mm-1 (25.6%), 4.3 DV (38.3%)

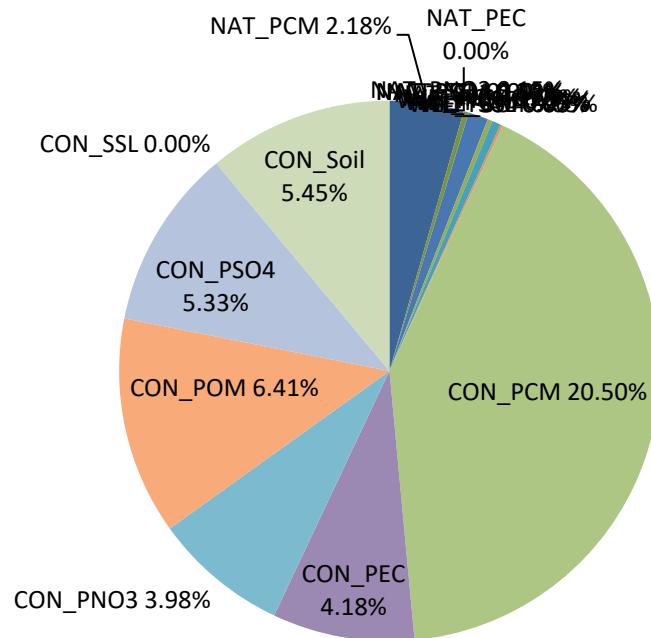




Salt Creek Wilderness

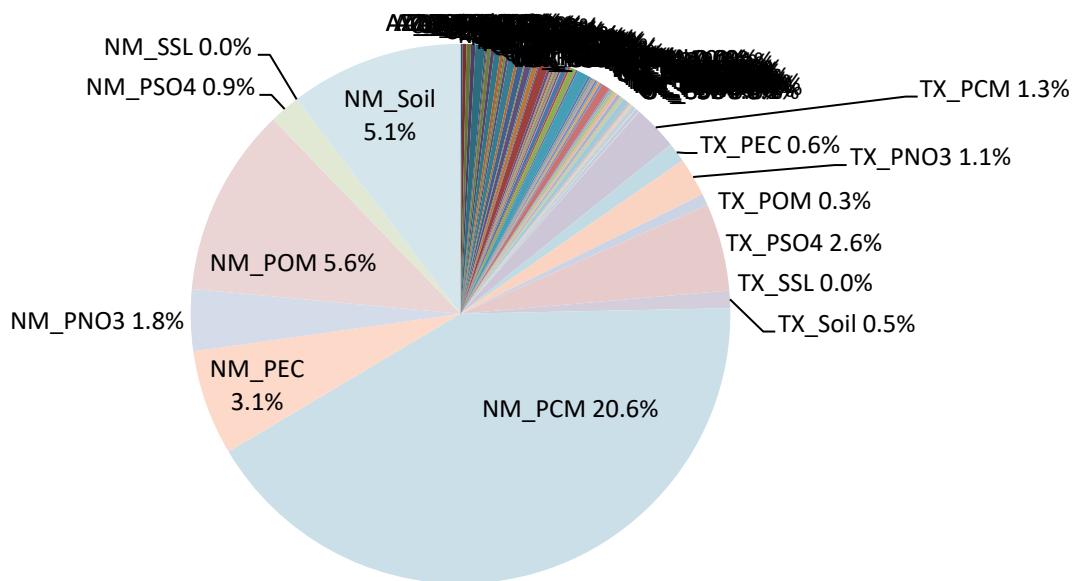
Contribution to Total Extinction (Mm-1) at Salt Creek, W20 = 13.06 DV, avgW20

Total Extinction = 41.8 (Mm-1), Haze Index = 14.3 DV
BC = 5.1 Mm-1 (12.3%), 1.4 DV (10.0%)

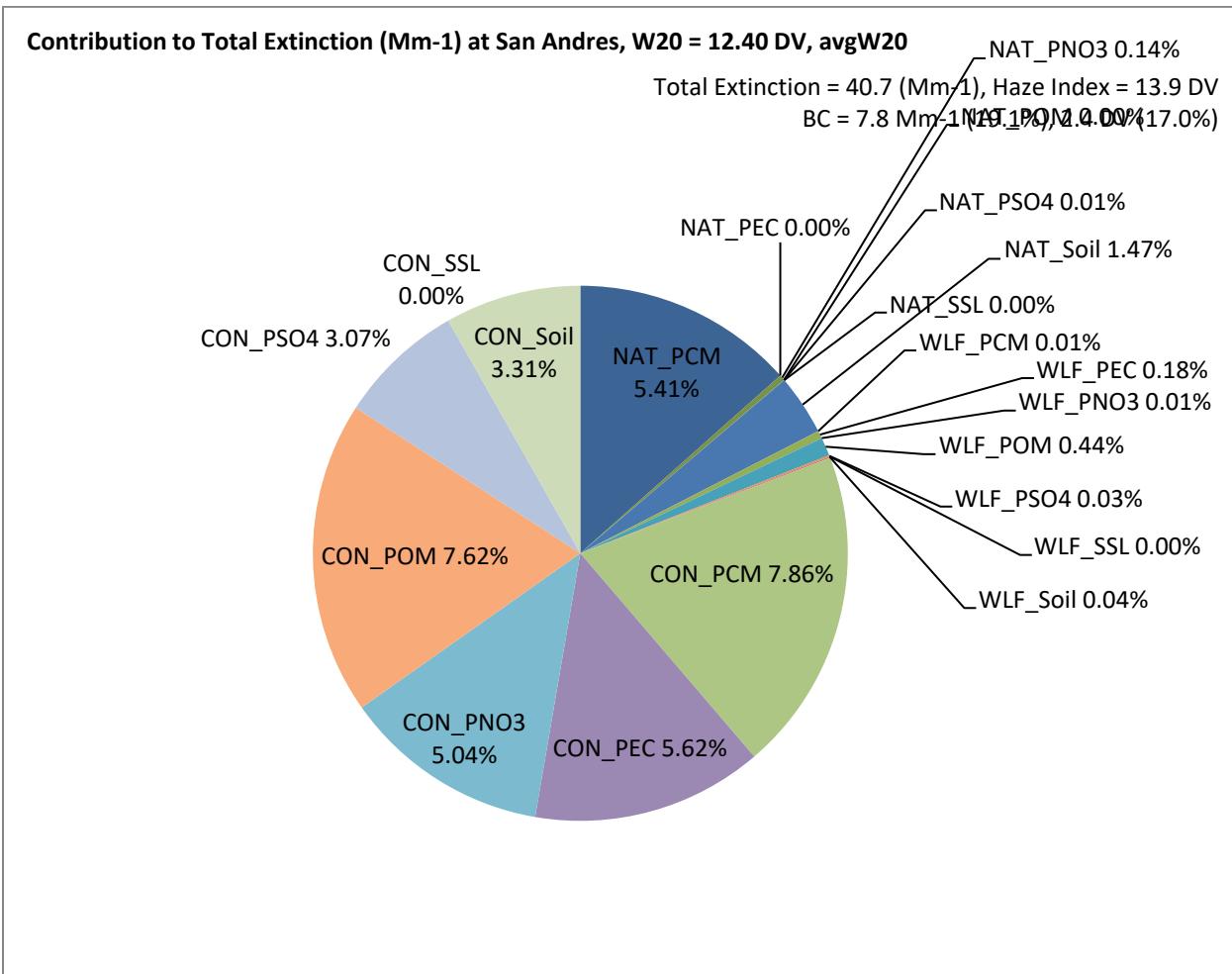


Contribution to Total Extinction (Mm-1) at Salt Creek, W20 = 13.06 DV, avgW20

Total Extinction = 41.8 (Mm-1), Haze Index = 14.3 DV
BC = 5.1 Mm-1 (12.3%), 1.4 DV (10.0%)

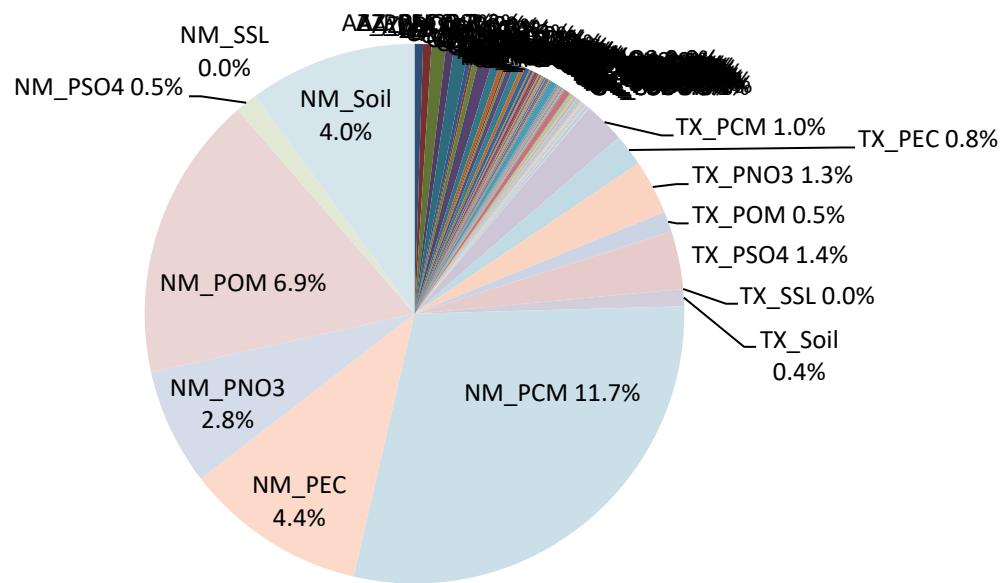


San Andres National Wildlife Refuge



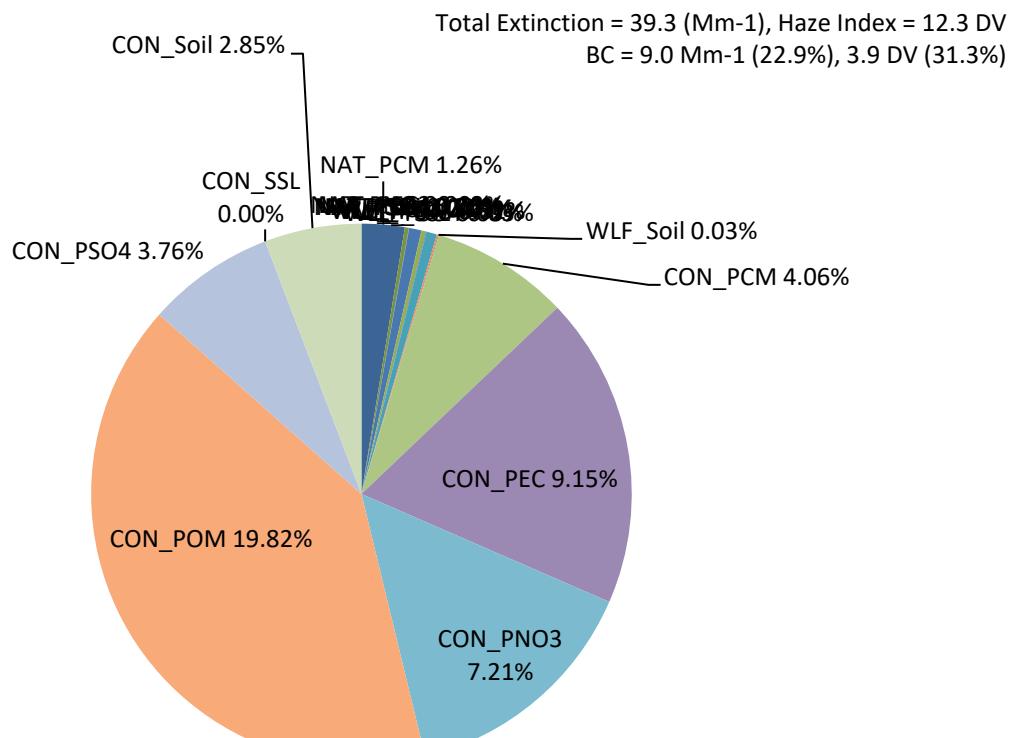
Contribution to Total Extinction (Mm-1) at San Andres, W20 = 12.40 DV, avgW20

Total Extinction = 40.7 (Mm-1), Haze Index = 13.9 DV
BC = 7.8 Mm-1 (19.1%), 2.4 DV (17.0%)

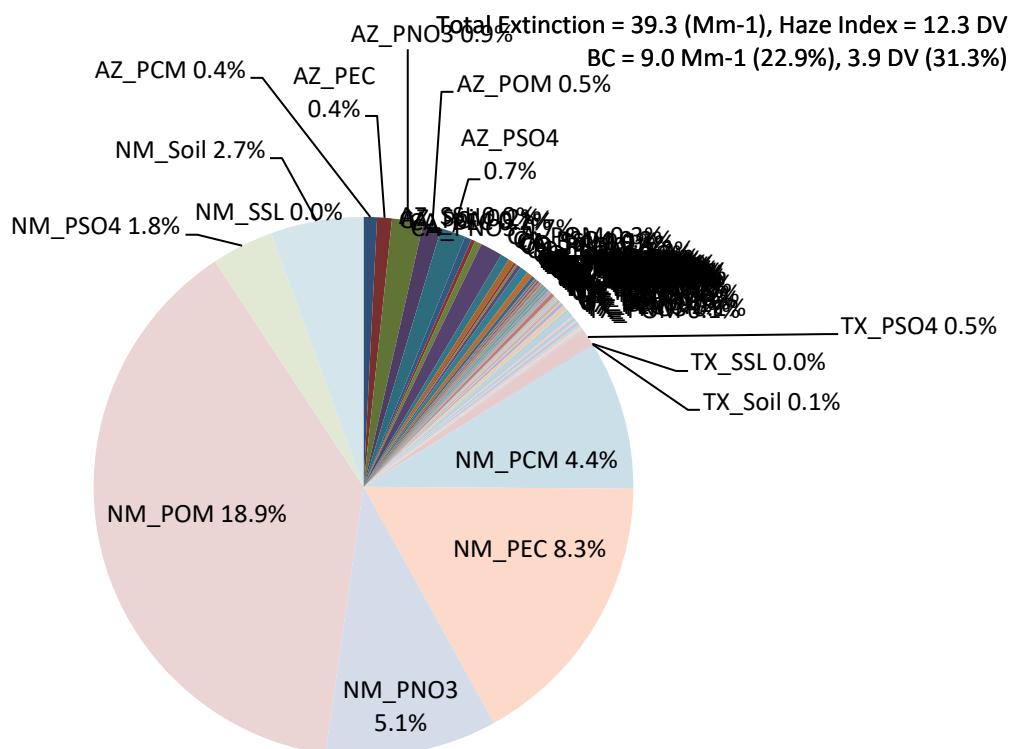


San Pedro Parks Wilderness

Contribution to Total Extinction (Mm-1) at San Pedro Parks, W20 = 9.46 DV, avgW20



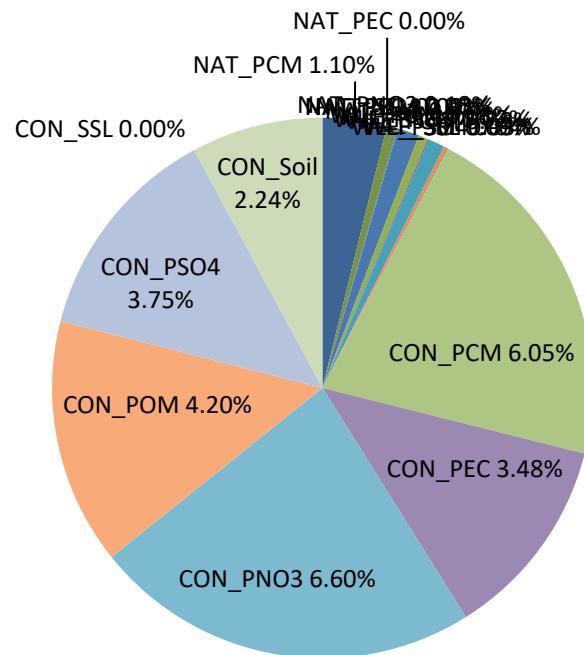
Contribution to Total Extinction (Mm-1) at San Pedro Parks, W20 = 9.46 DV, avgW20



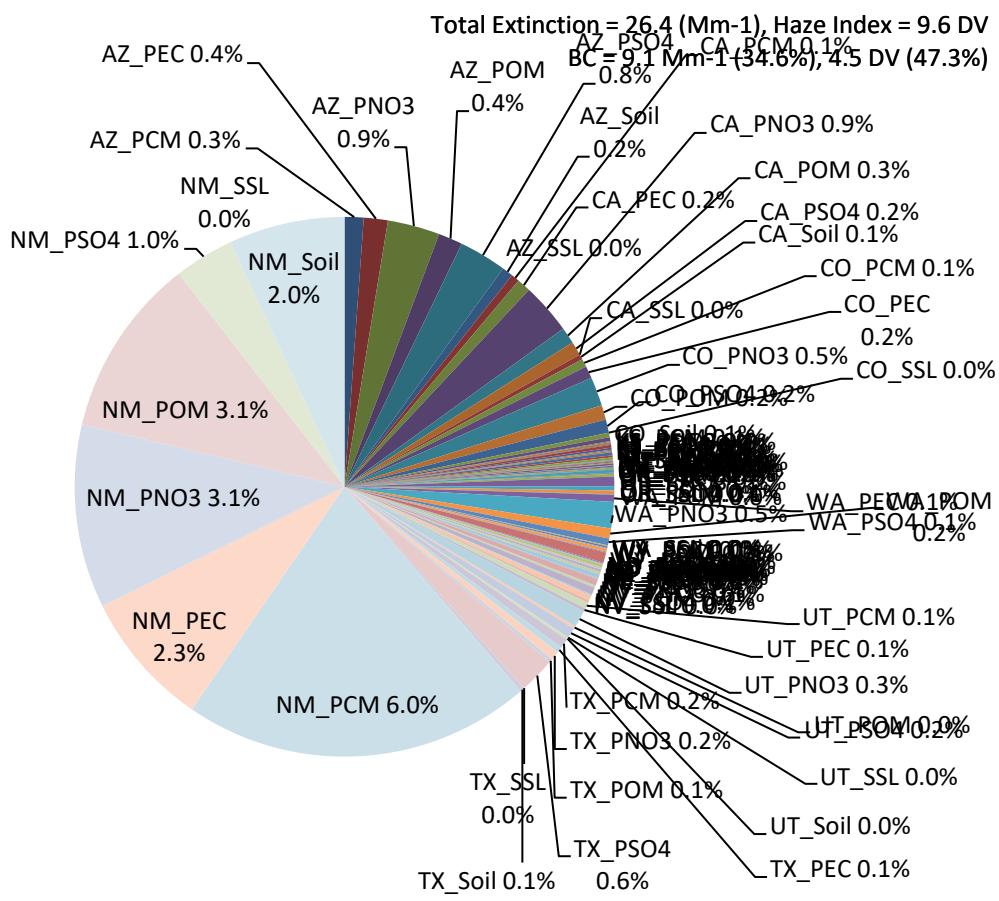
Wheeler Peak Wilderness

Contribution to Total Extinction (Mm-1) at Wheeler Peak, W20 = 8.52 DV, avgW20

Total Extinction = 26.4 (Mm-1), Haze Index = 9.6 DV
BC = 9.1 Mm-1 (34.6%), 4.5 DV (47.3%)



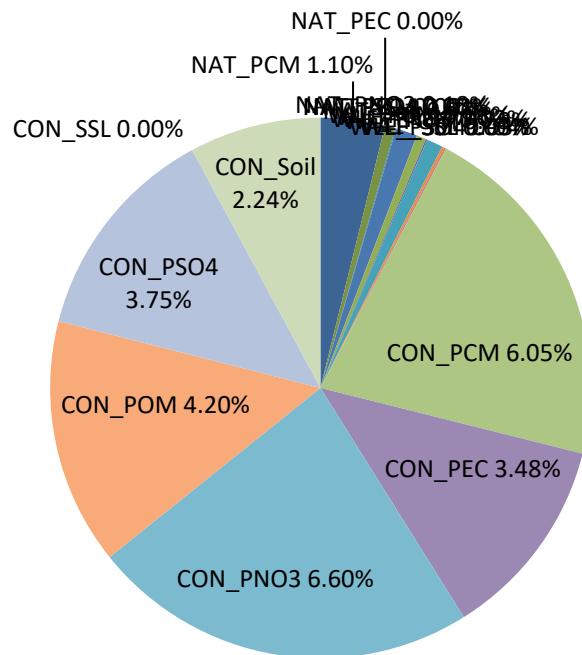
Contribution to Total Extinction (Mm⁻¹) at Wheeler Peak, W20 = 8.52 DV, avgW20



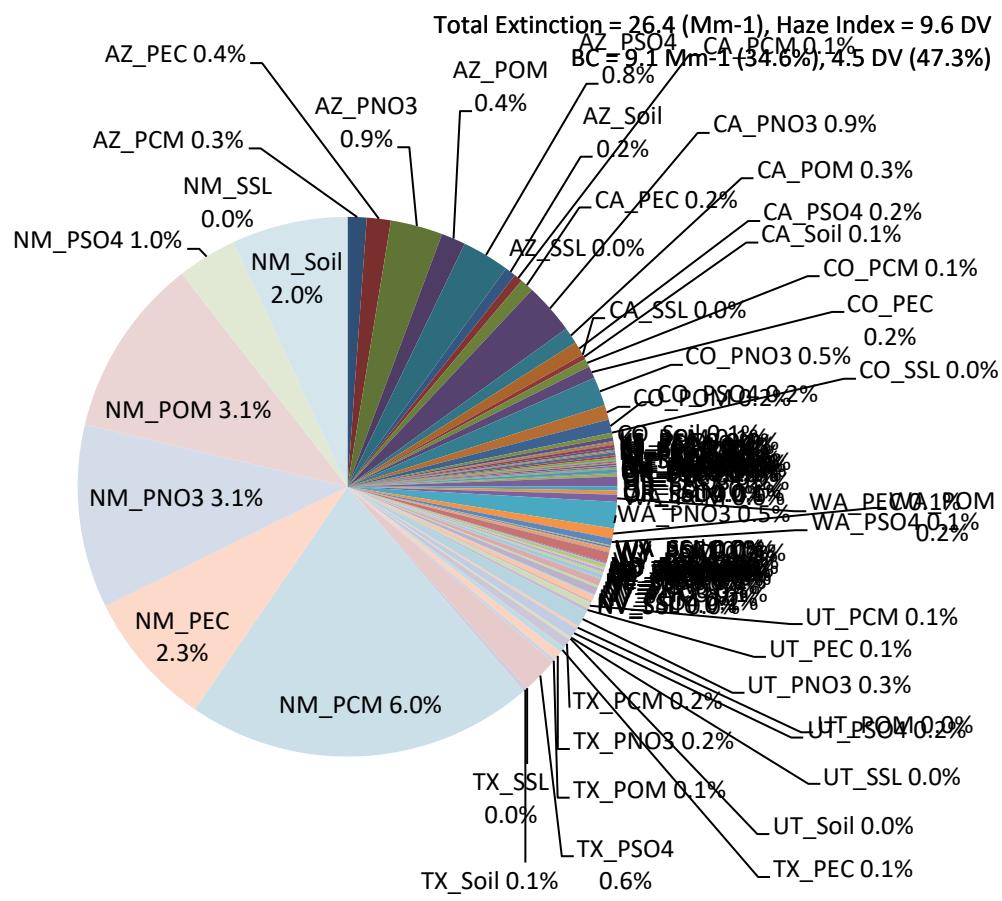
White Mountain Wilderness

Contribution to Total Extinction (Mm-1) at White Mountain, W20 = 8.52 DV, avgW20

Total Extinction = 26.4 (Mm-1), Haze Index = 9.6 DV
BC = 9.1 Mm-1 (34.6%), 4.5 DV (47.3%)

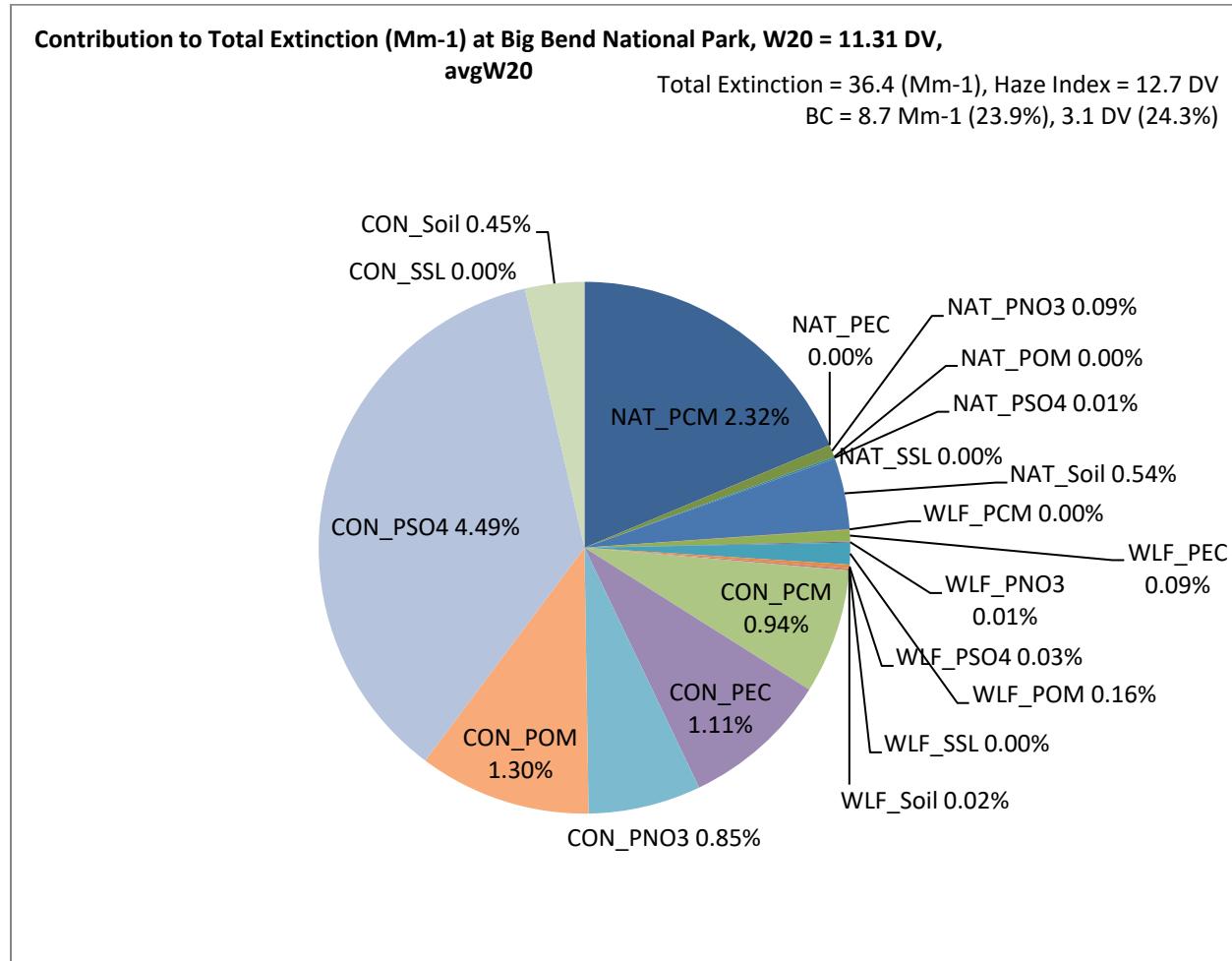


Contribution to Total Extinction (Mm⁻¹) at White Mountain, W20 = 8.52 DV, avgW20



Texas IMPROVE sites

Big Bend National Park

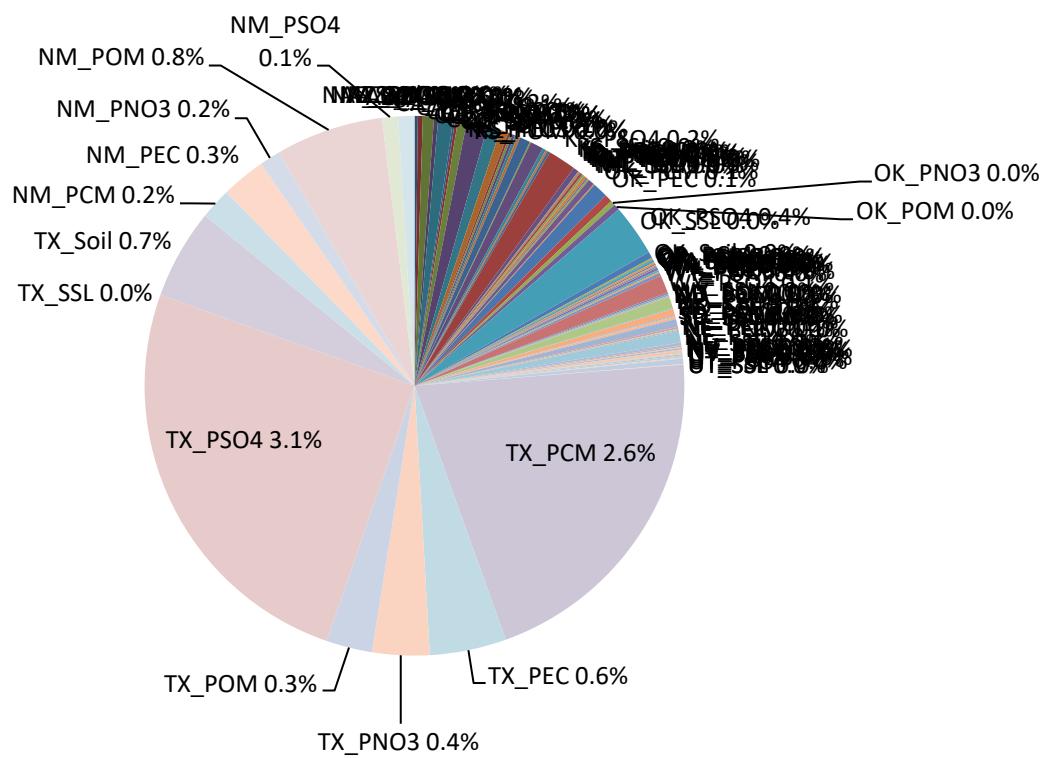


Contribution to Total Extinction (Mm-1) at Big Bend National Park, W20 = 11.31 DV,

avgW20

Total Extinction = 36.4 (Mm-1), Haze Index = 12.7 DV

BC = 8.7 Mm-1 (23.9%), 3.1 DV (24.3%)

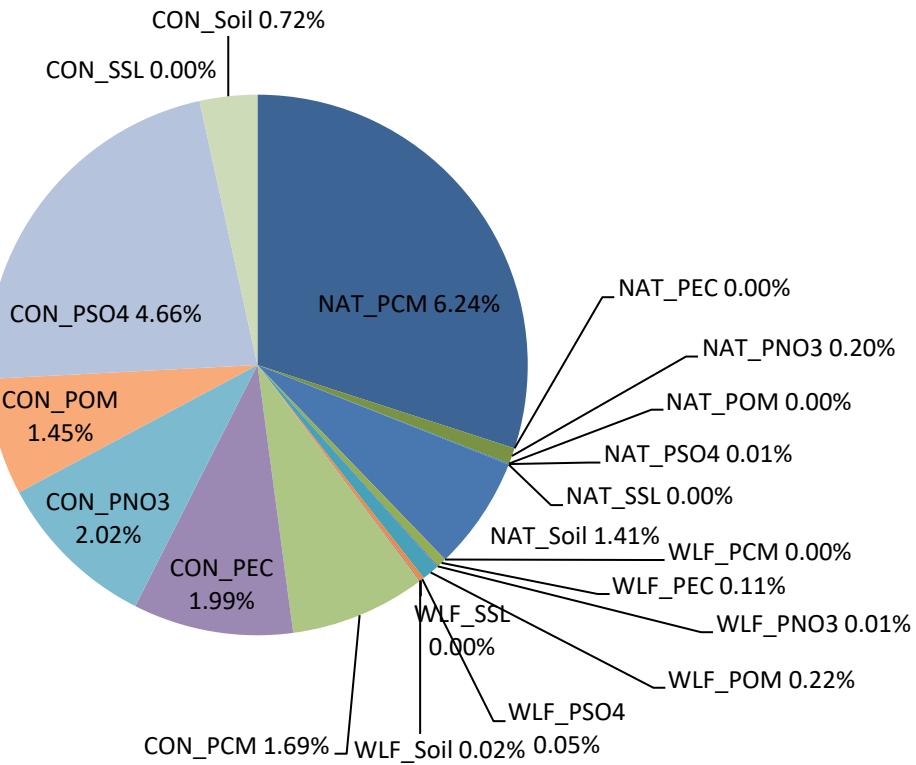


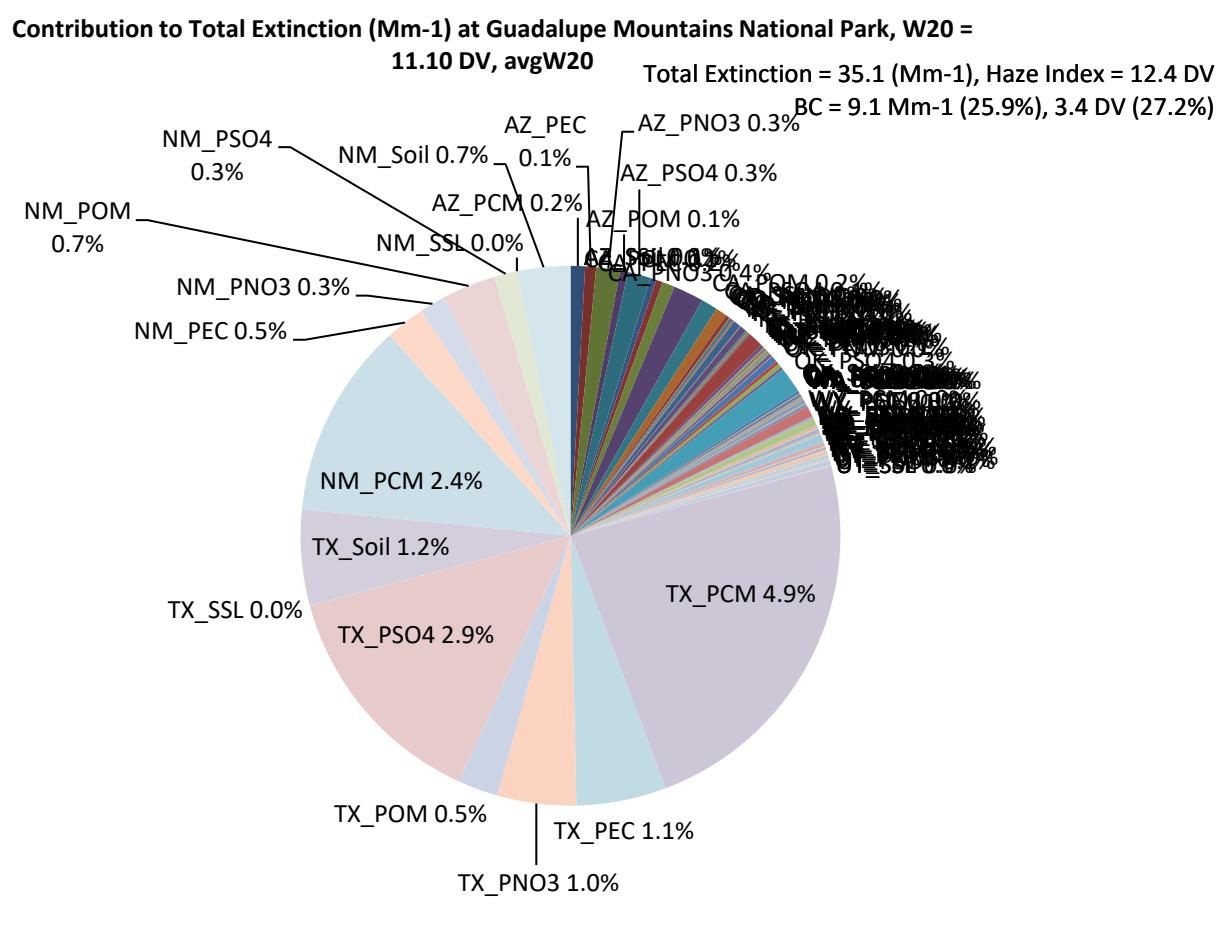
Guadalupe Mountains National Park

Contribution to Total Extinction (Mm-1) at Guadalupe Mountains National Park, W20 =

11.10 DV, avgW20

Total Extinction = 35.1 (Mm-1), Haze Index = 12.4 DV
BC = 9.1 Mm-1 (25.9%), 3.4 DV (27.2%)

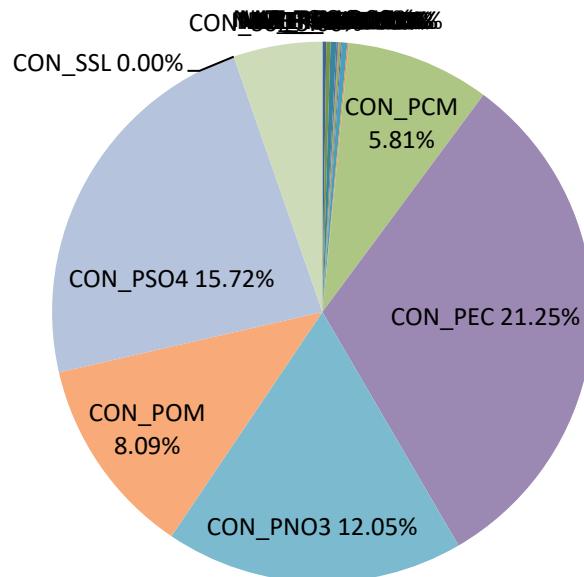




Houston

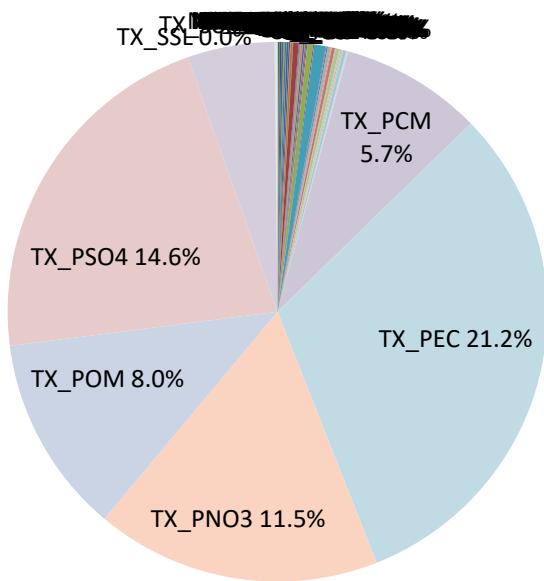
Contribution to Total Extinction (Mm-1) at Houston, W20 = 24.78 DV, avgW20

Total Extinction = 154.0 (Mm-1), Haze Index = 27.3 DV
BC = 8.5 Mm-1 (5.5%), 0.7 DV (2.6%)



Contribution to Total Extinction (Mm-1) at Houston, W20 = 24.78 DV, avgW20

Total Extinction = 154.0 (Mm-1), Haze Index = 27.3 DV
BC = 8.5 Mm-1 (5.5%), 0.7 DV (2.6%)

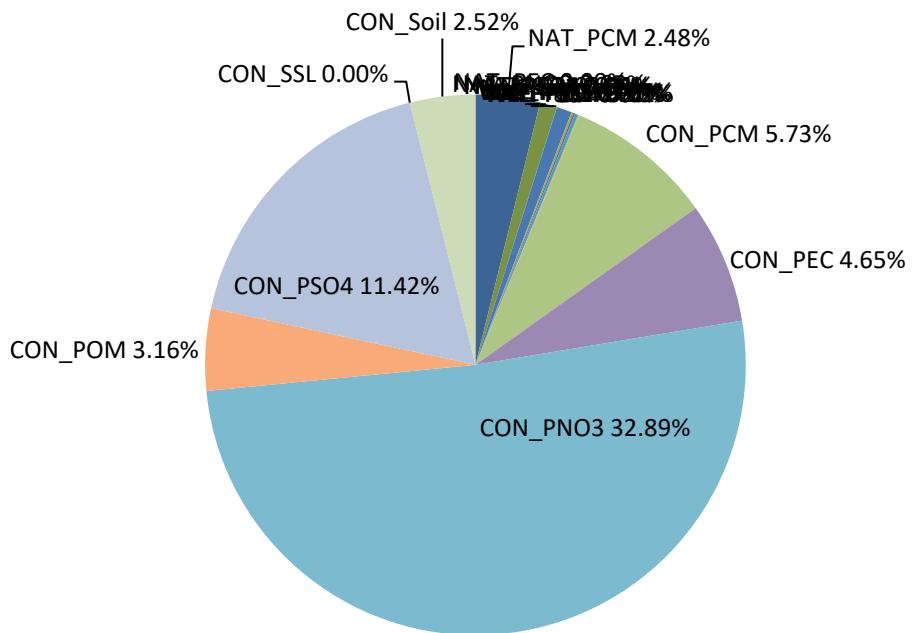


OKLAHOMA IMPROVE sites

Cherokee Nation

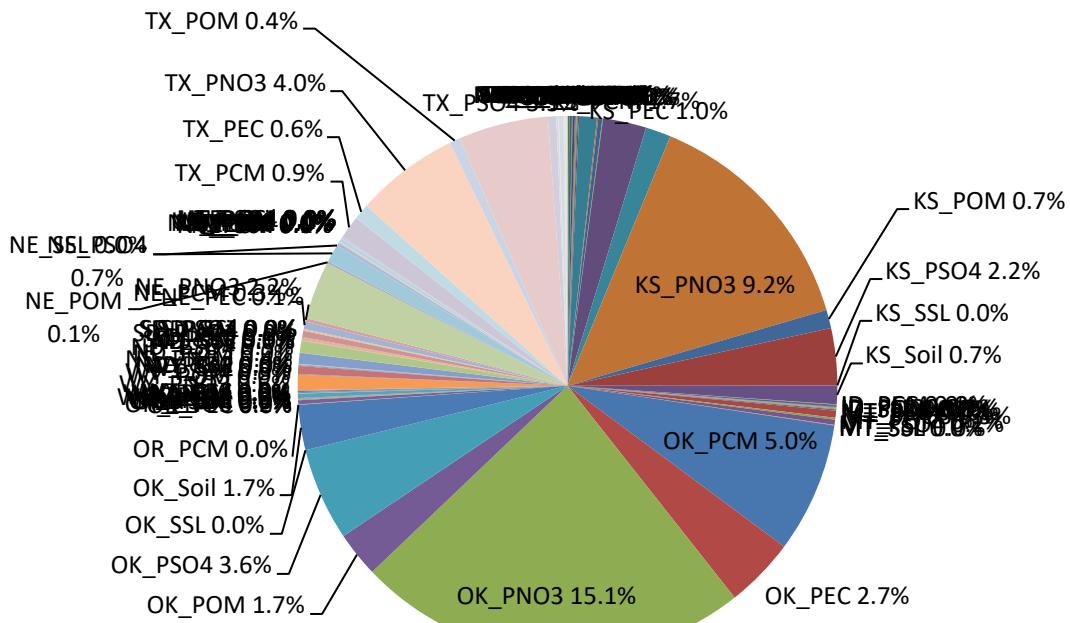
Contribution to Total Extinction (Mm-1) at Cherokee Nation, W20 = 19.28 DV, avgW20

Total Extinction = 89.3 (Mm-1), Haze Index = 21.8 DV
BC = 5.7 Mm-1 (6.4%), 0.7 DV (3.3%)

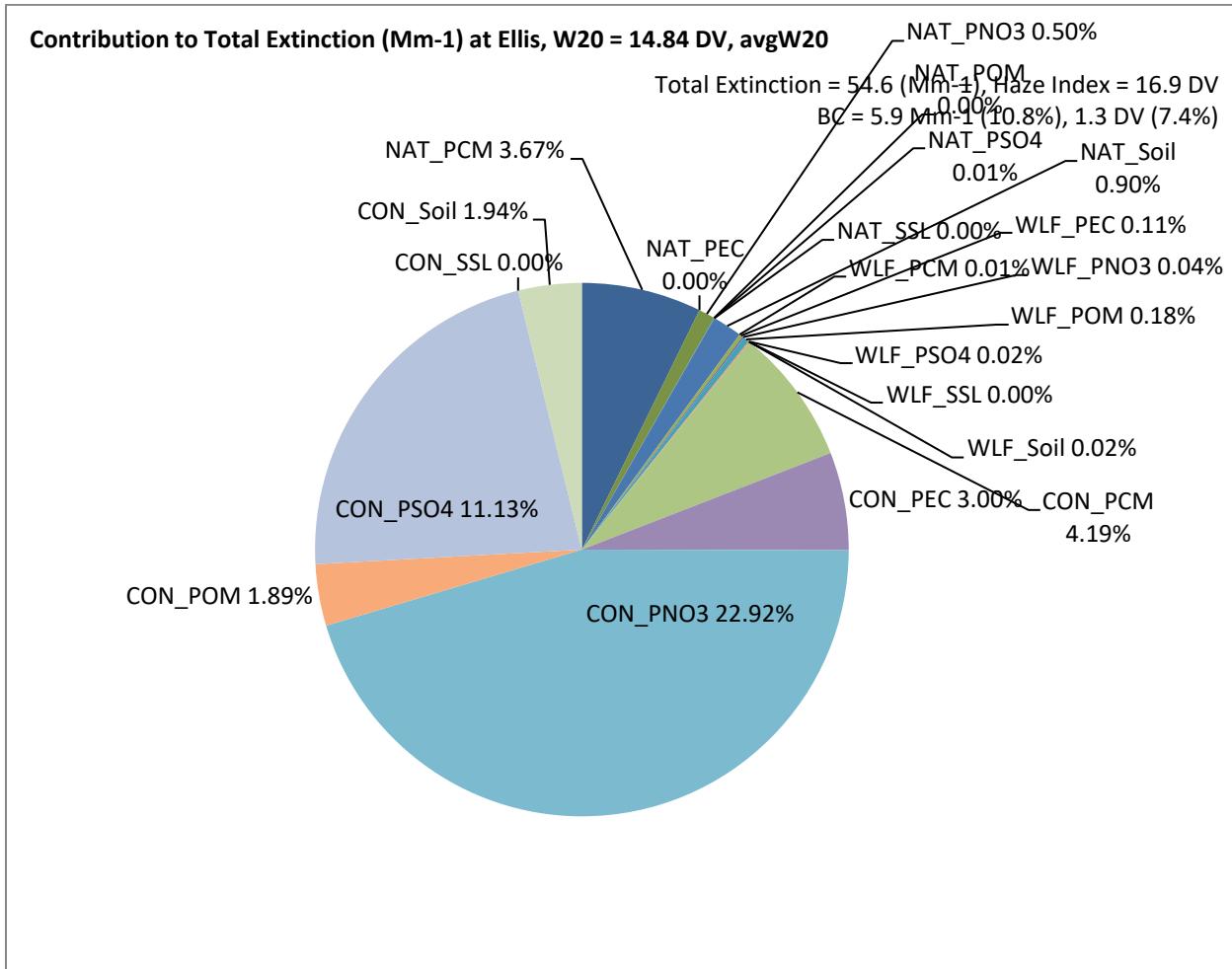


Contribution to Total Extinction (Mm-1) at Cherokee Nation, W20 = 19.28 DV, avgW20

Total Extinction = 89.3 (Mm-1), Haze Index = 21.8 DV
BC = 5.7 Mm-1 (6.4%), 0.7 DV (3.3%)

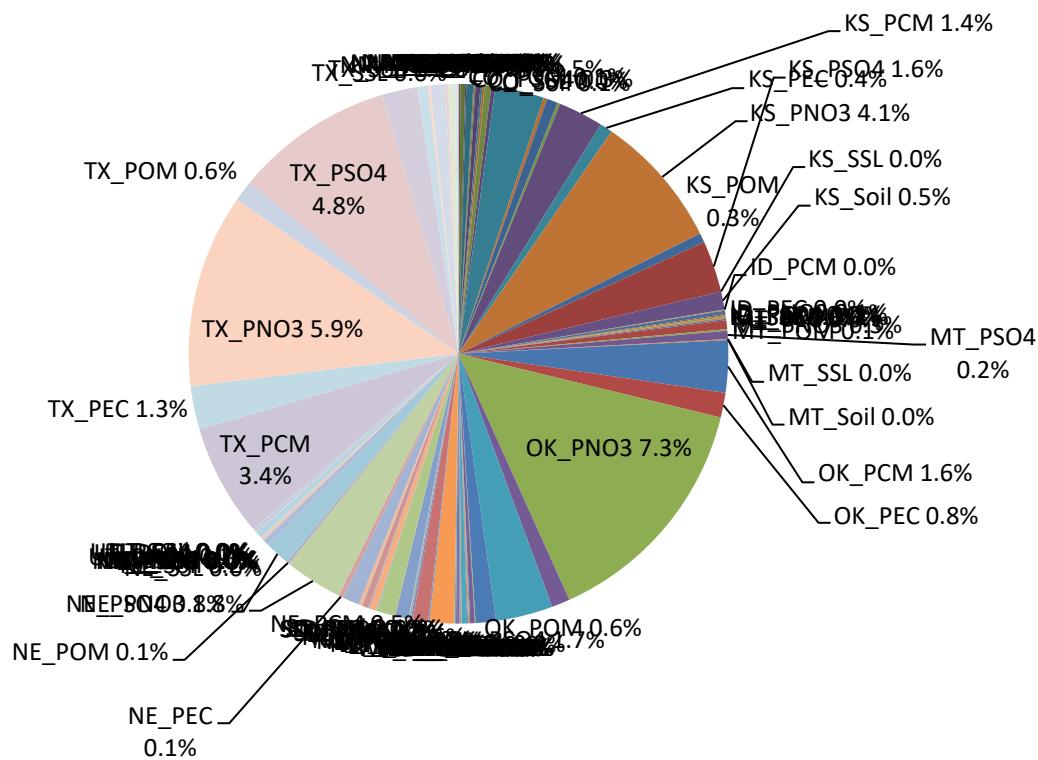


Ellis



Contribution to Total Extinction (Mm-1) at Ellis, W20 = 14.84 DV, avgW20

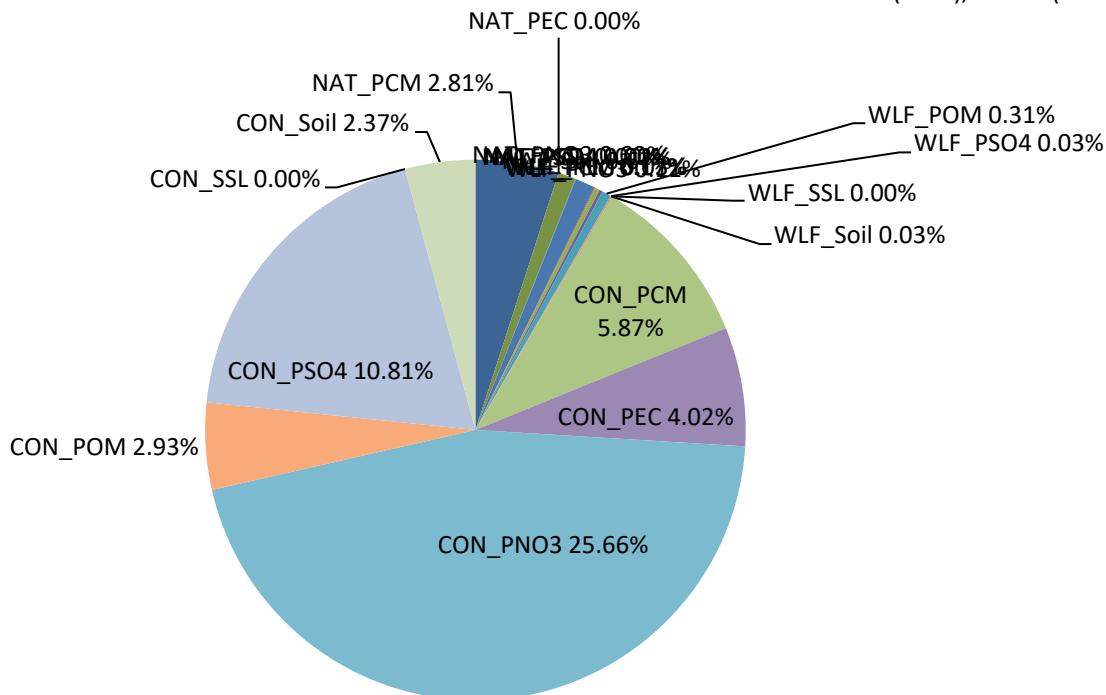
Total Extinction = 54.6 (Mm-1), Haze Index = 16.9 DV
BC = 5.9 Mm-1 (10.8%), 1.3 DV (7.4%)



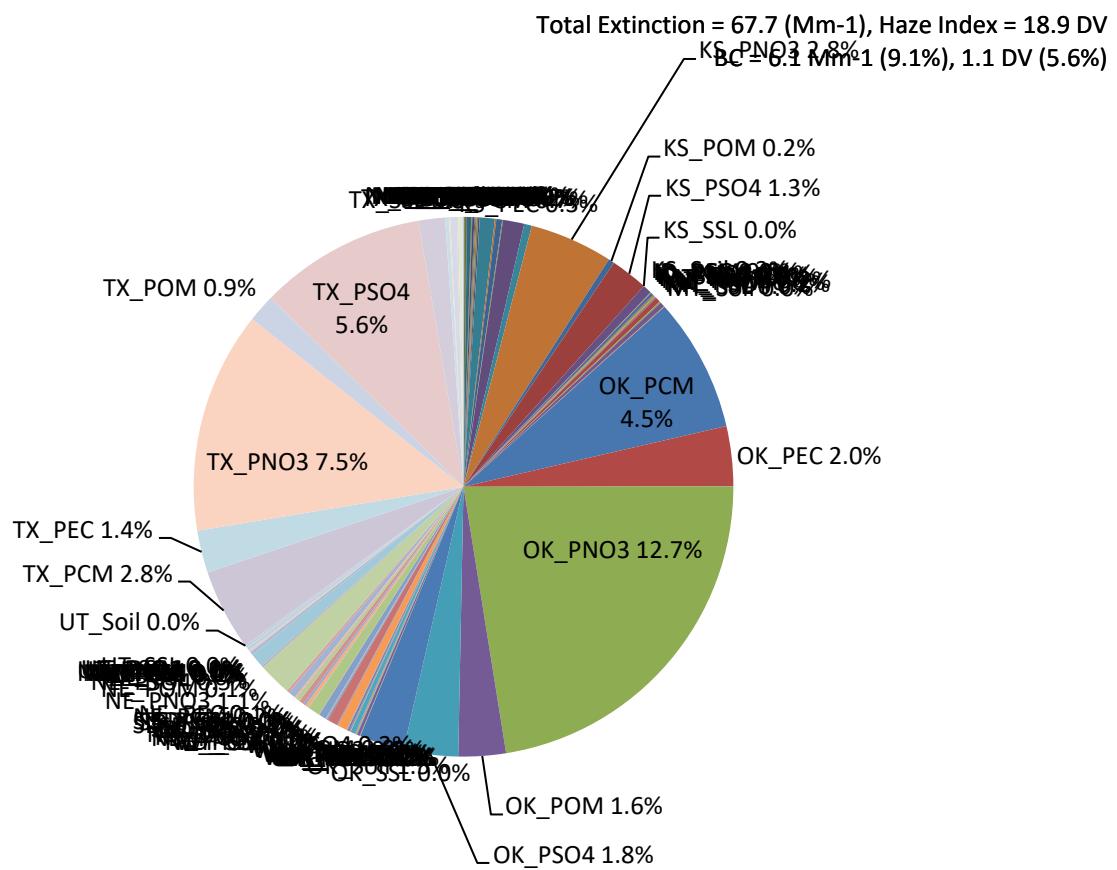
Wichita Mountains Wildlife Refuge

Contribution to Total Extinction (Mm-1) at Wichita Mountains, W20 = 16.20 DV, avgW20

Total Extinction = 67.7 (Mm-1), Haze Index = 18.9 DV
BC = 6.1 Mm-1 (9.1%), 1.1 DV (5.6%)

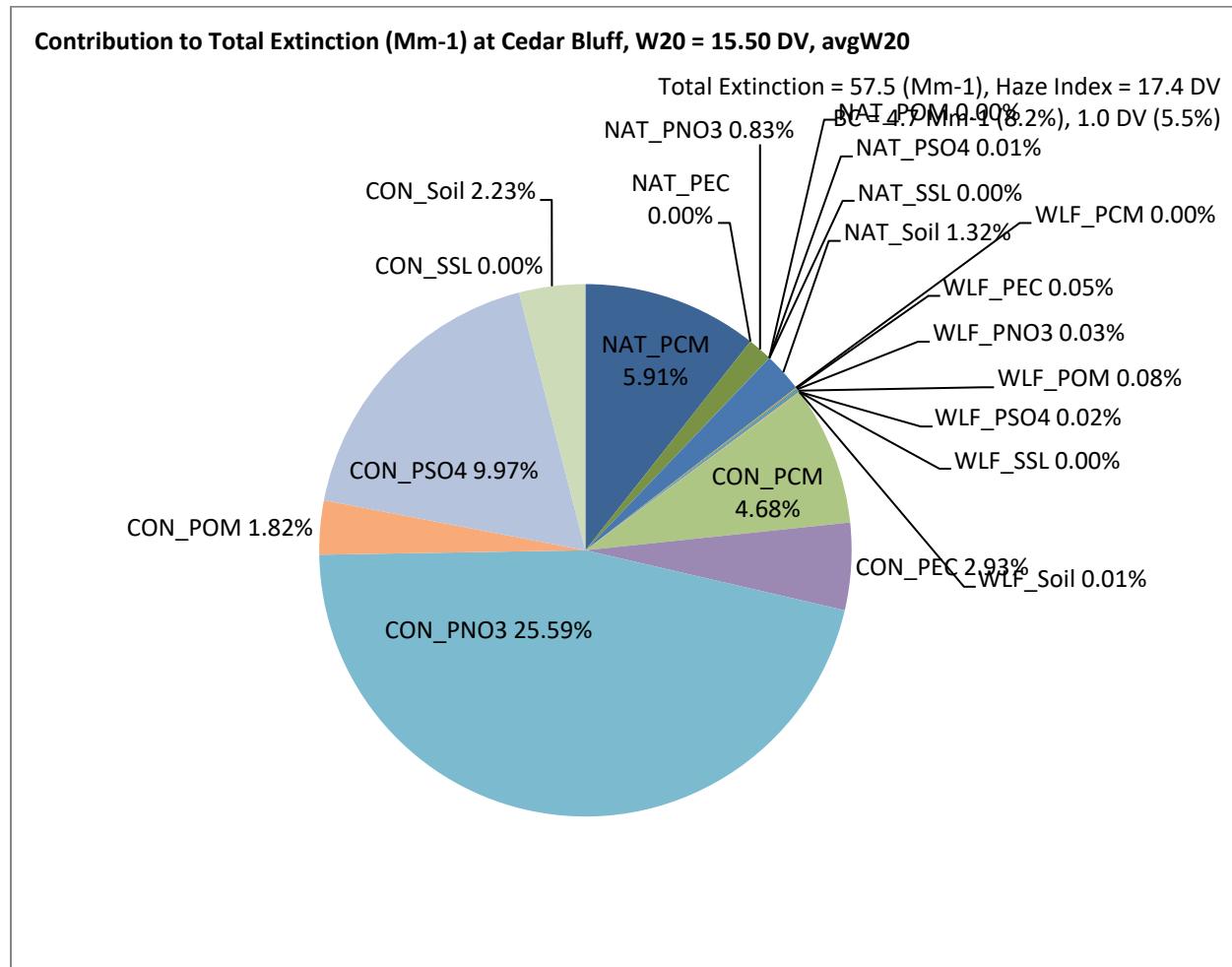


Contribution to Total Extinction (Mm⁻¹) at Wichita Mountains, W20 = 16.20 DV, avgW20

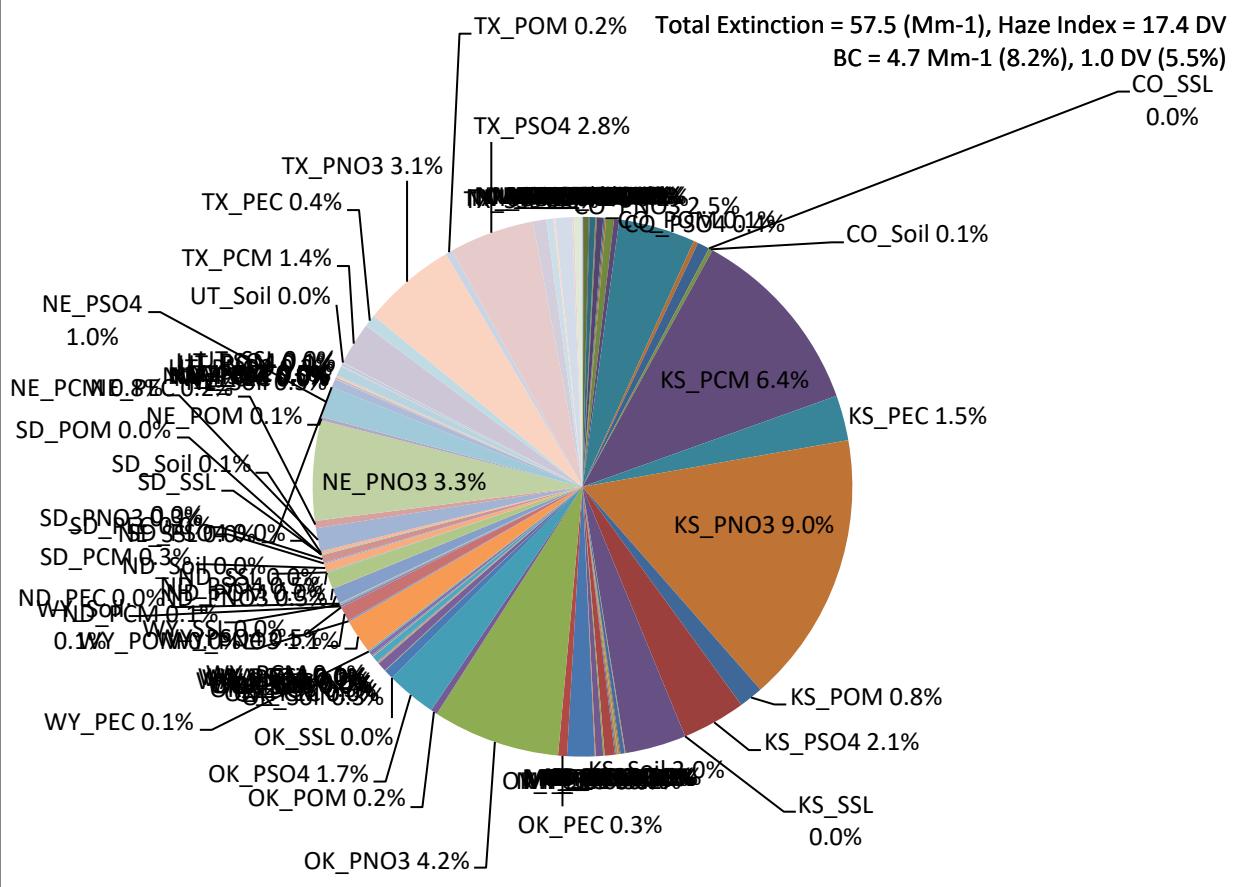


Kansas IMPROVE sites

Cedar Bluff



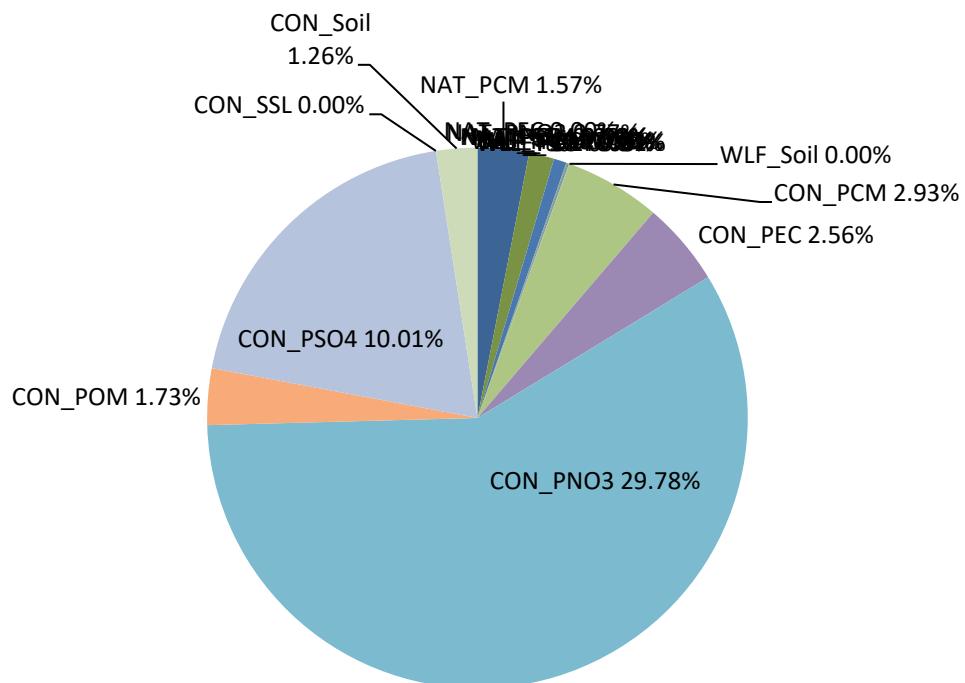
Contribution to Total Extinction (Mm-1) at Cedar Bluff, W20 = 15.50 DV, avgW20



Sac and Fox Nation

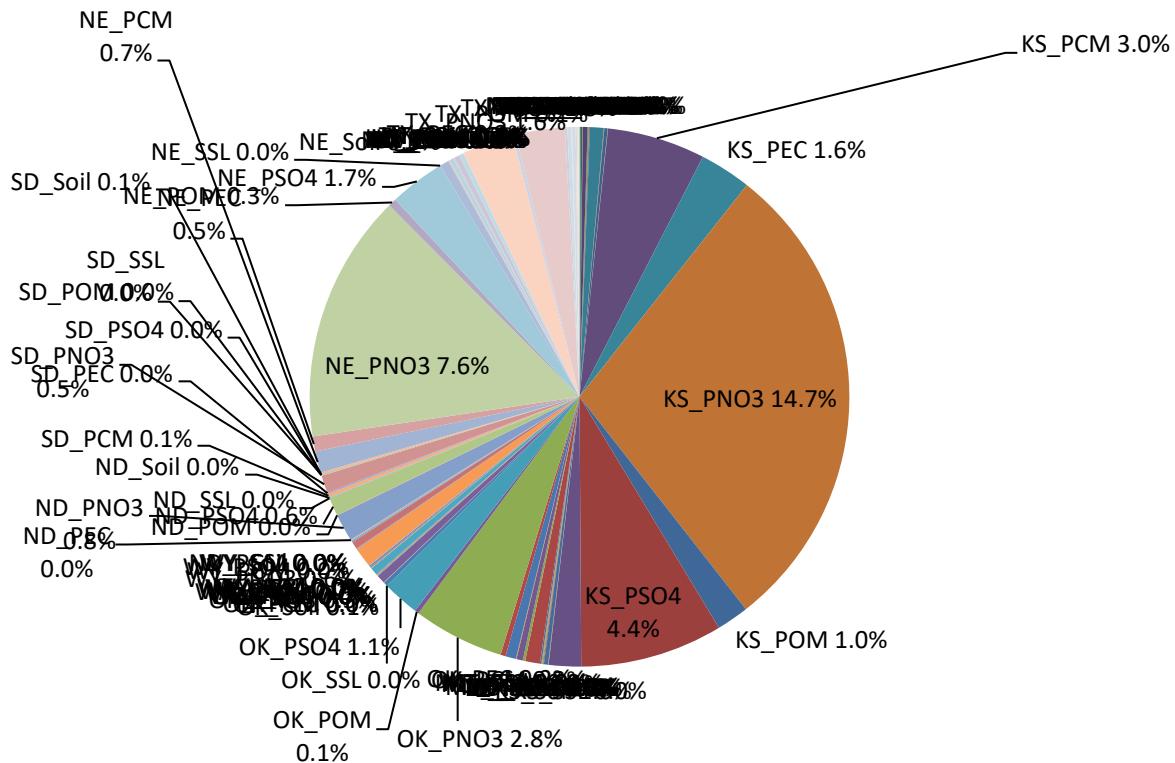
Contribution to Total Extinction (Mm-1) at Sac and Fox, W20 = 22.00 DV, avgW20

Total Extinction = 119.8 (Mm-1), Haze Index = 24.7 DV
BC = 5.1 Mm-1 (4.3%), 0.5 DV (2.0%)

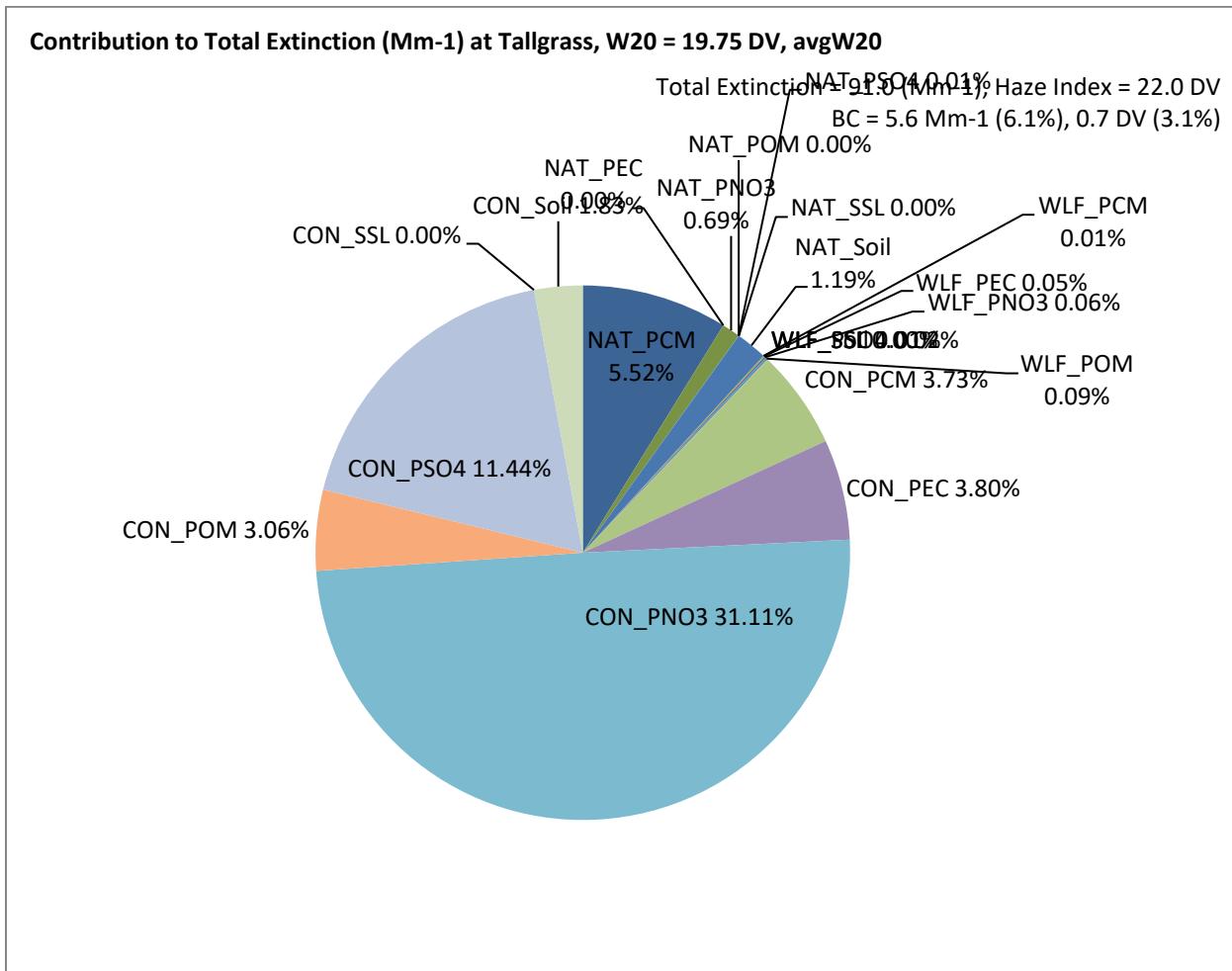


Contribution to Total Extinction (Mm-1) at Sac and Fox, W20 = 22.00 DV, avgW20

Total Extinction = 119.8 (Mm⁻¹), Haze Index = 24.7 DV
BC = 5.1 Mm⁻¹ (4.3%), 0.5 DV (2.0%)

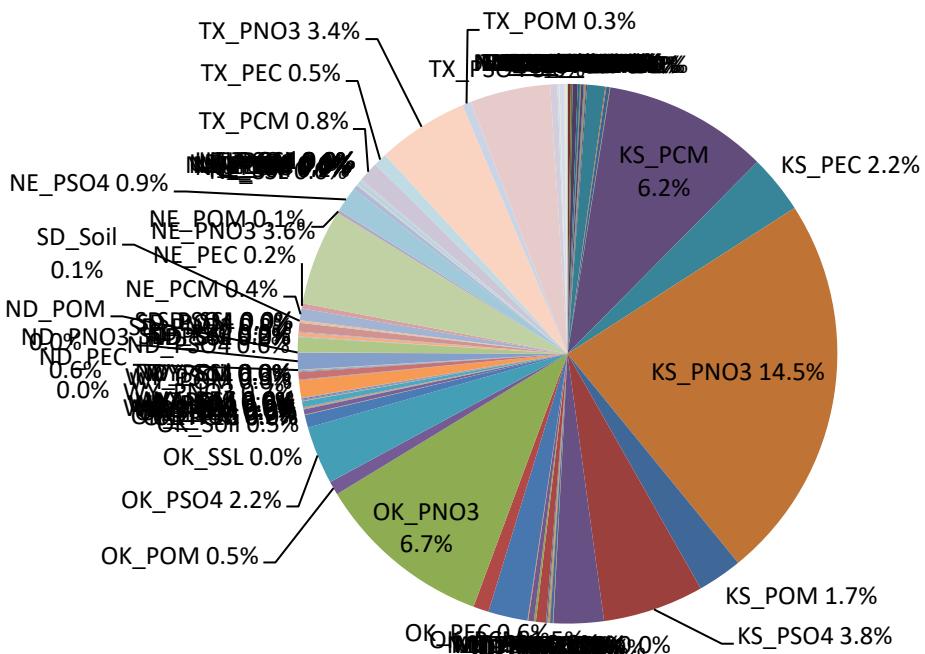


Tallgrass Prairie National Preserve



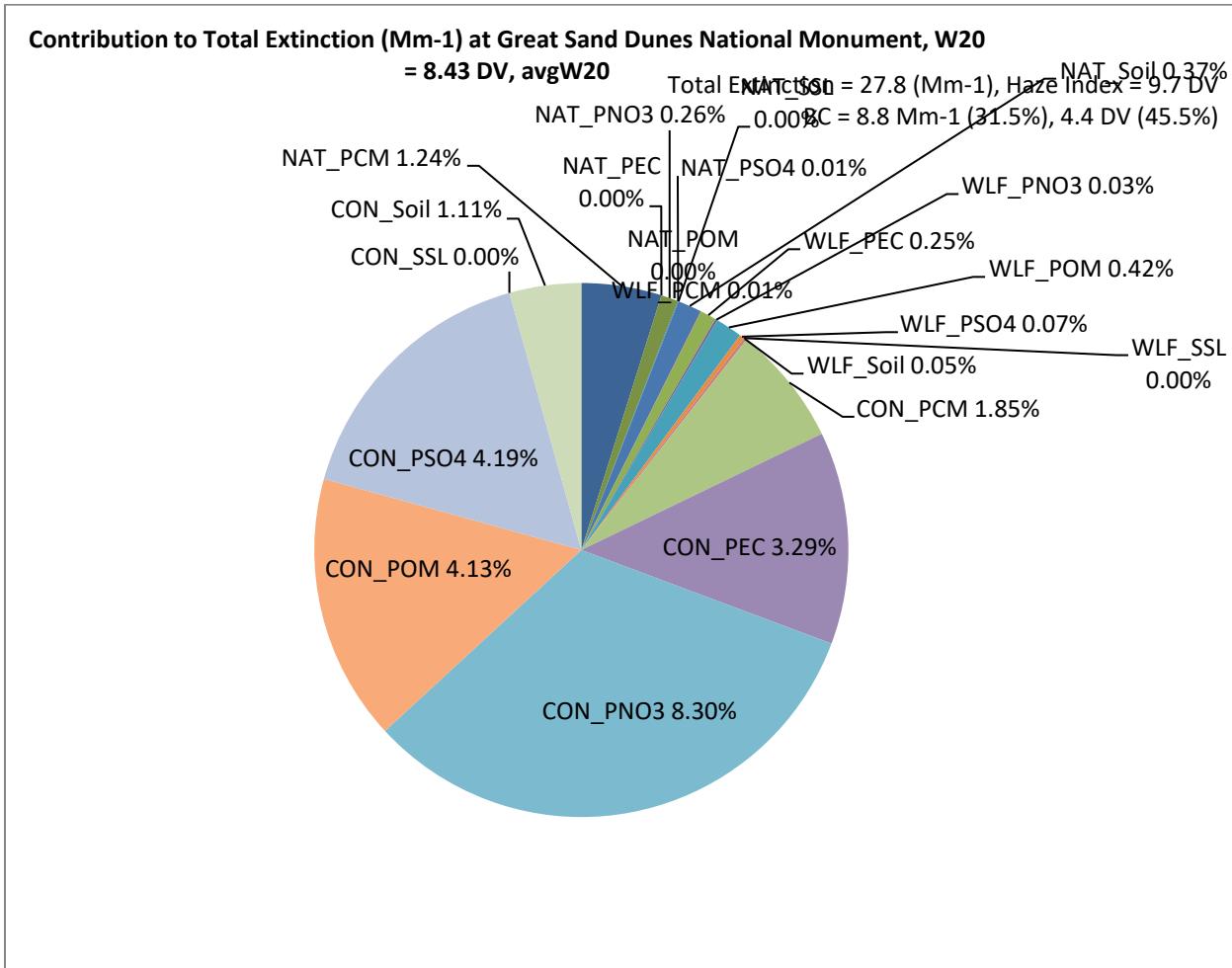
Contribution to Total Extinction (Mm-1) at Tallgrass, W20 = 19.75 DV, avgW20

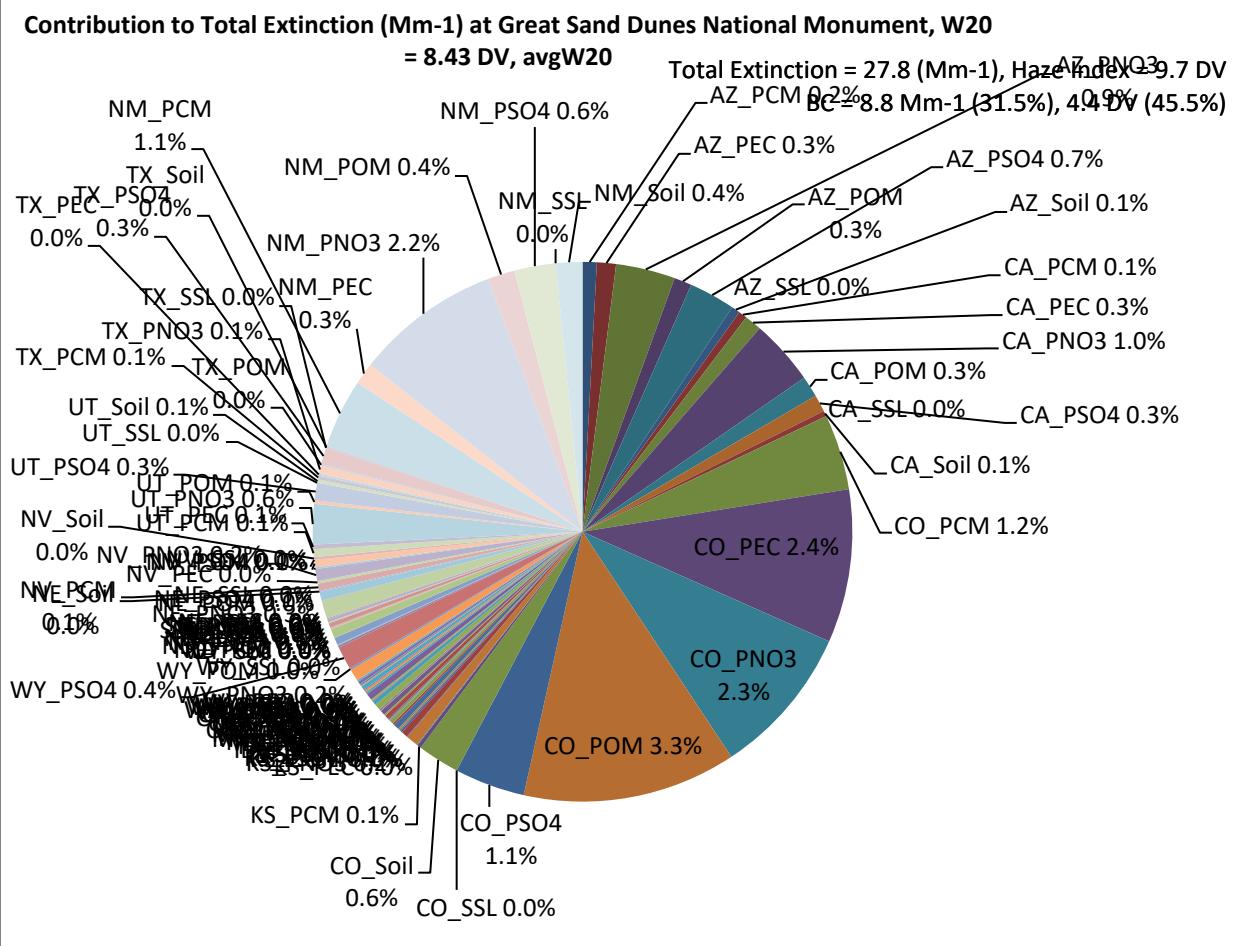
Total Extinction = 91.0 (Mm-1), Haze Index = 22.0 DV
BC = 5.6 Mm-1 (6.1%), 0.7 DV (3.1%)



Southern Colorado IMPROVE sites

Great Sand Dunes National Monument

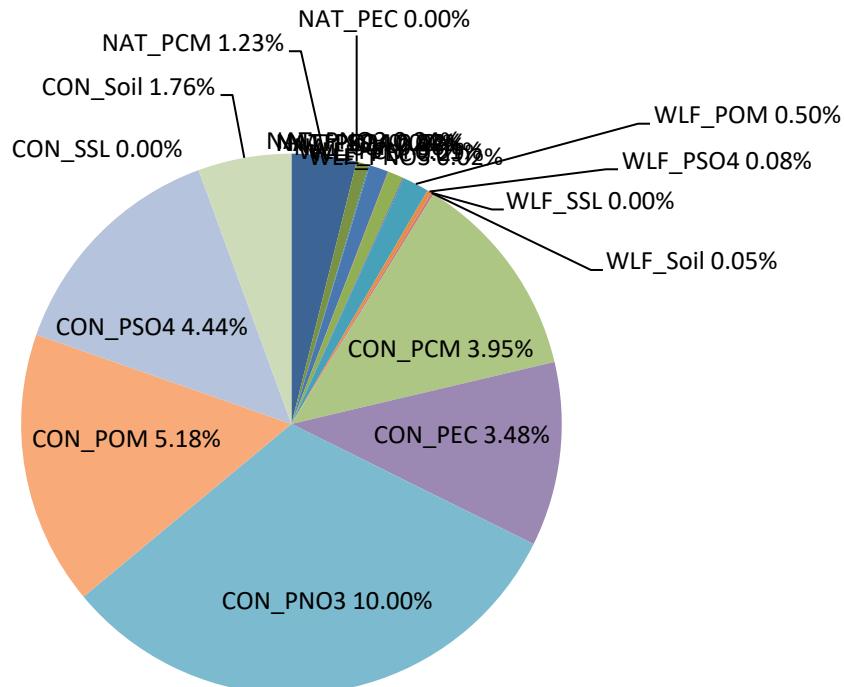


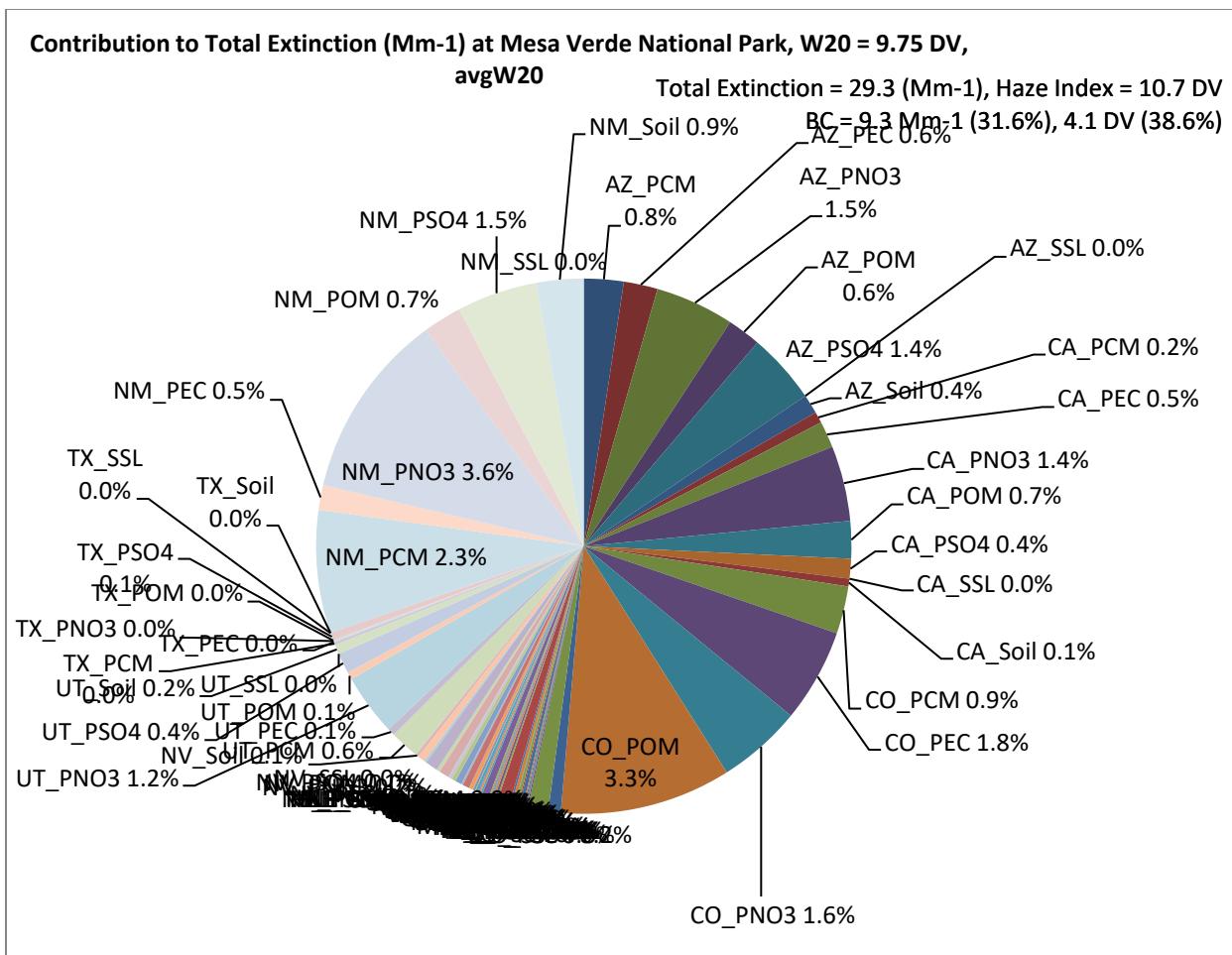


Mesa Verde National Park

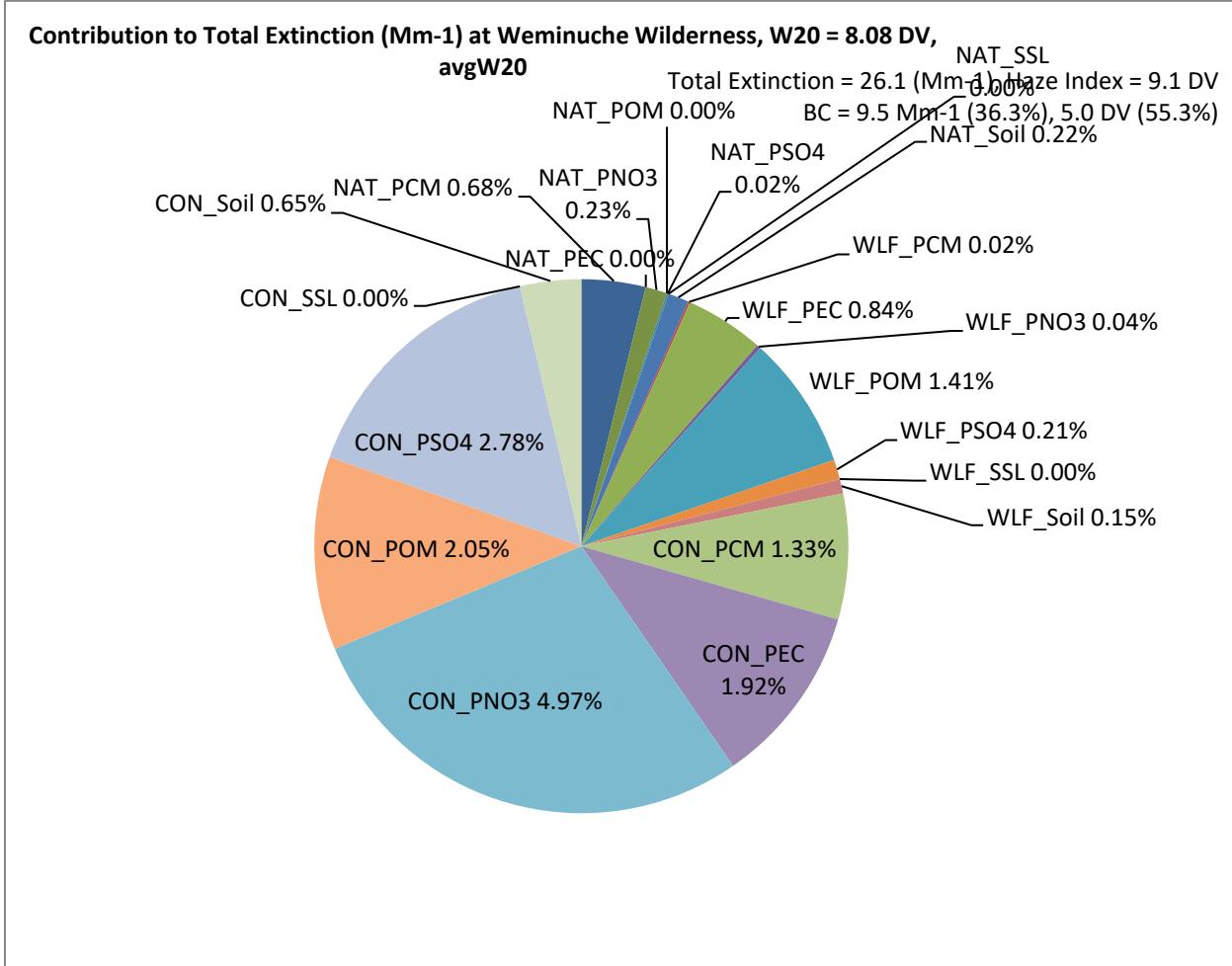
**Contribution to Total Extinction (Mm-1) at Mesa Verde National Park, W20 = 9.75 DV,
avgW20**

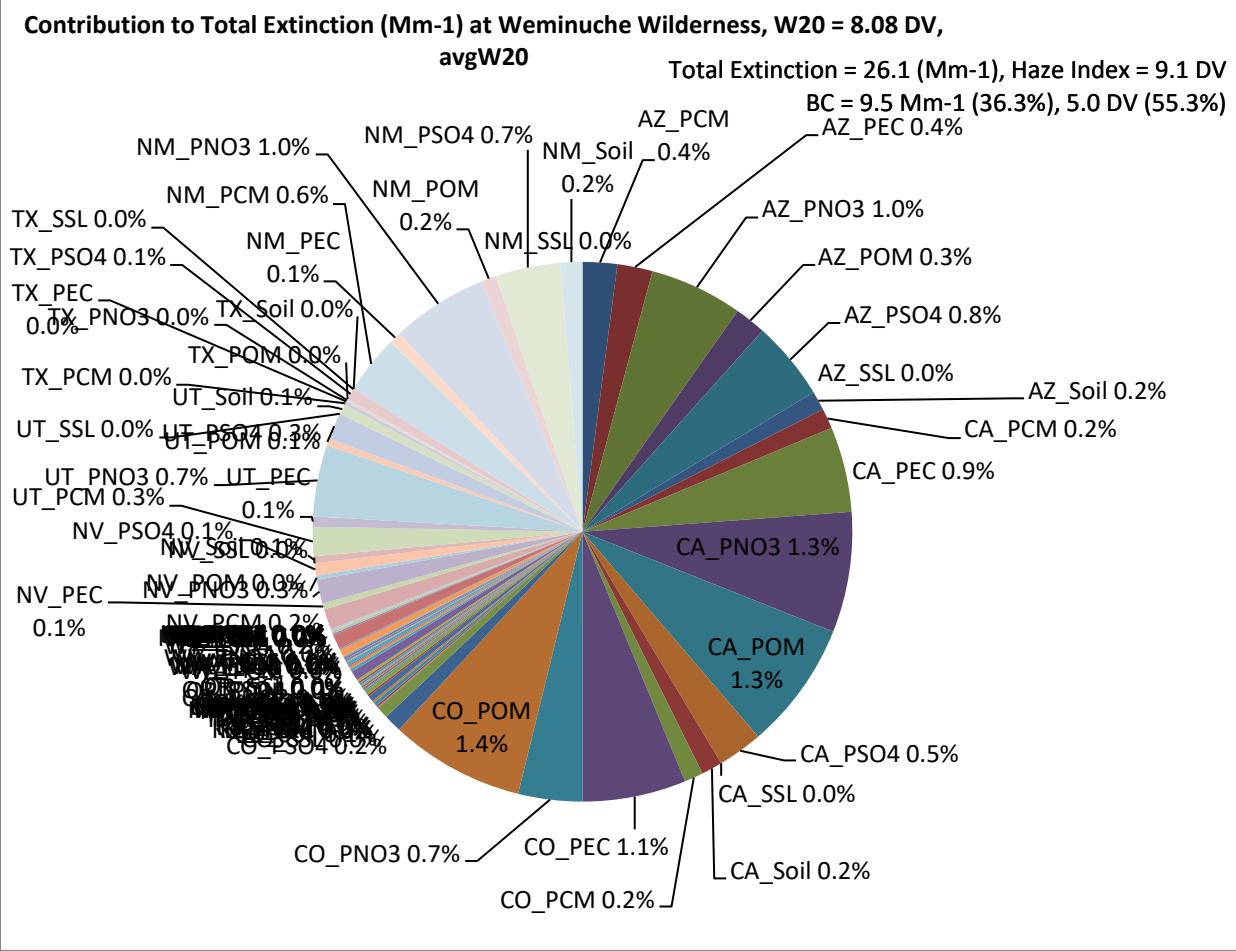
Total Extinction = 29.3 (Mm-1), Haze Index = 10.7 DV
BC = 9.3 Mm-1 (31.6%), 4.1 DV (38.6%)





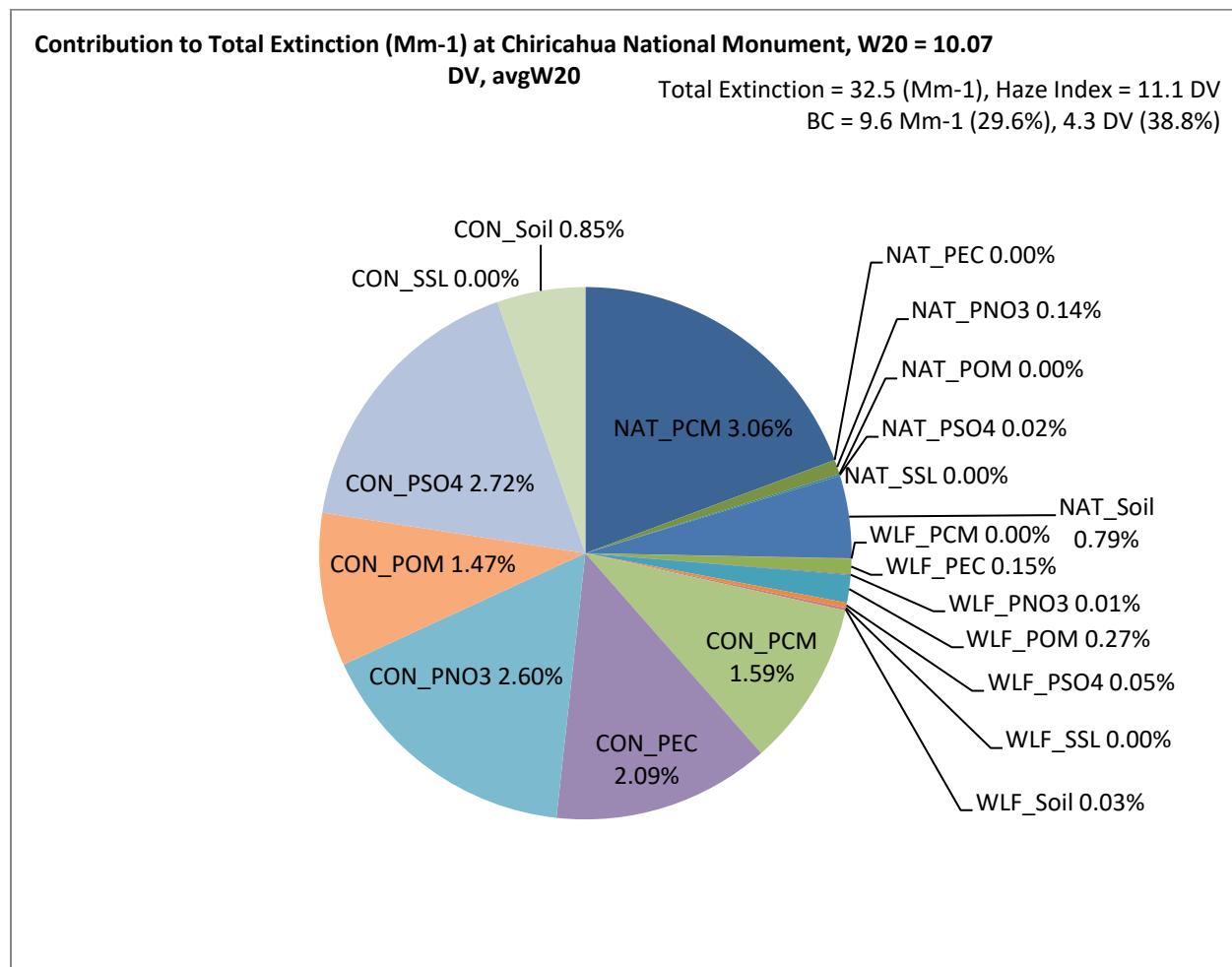
Weminuche Wilderness

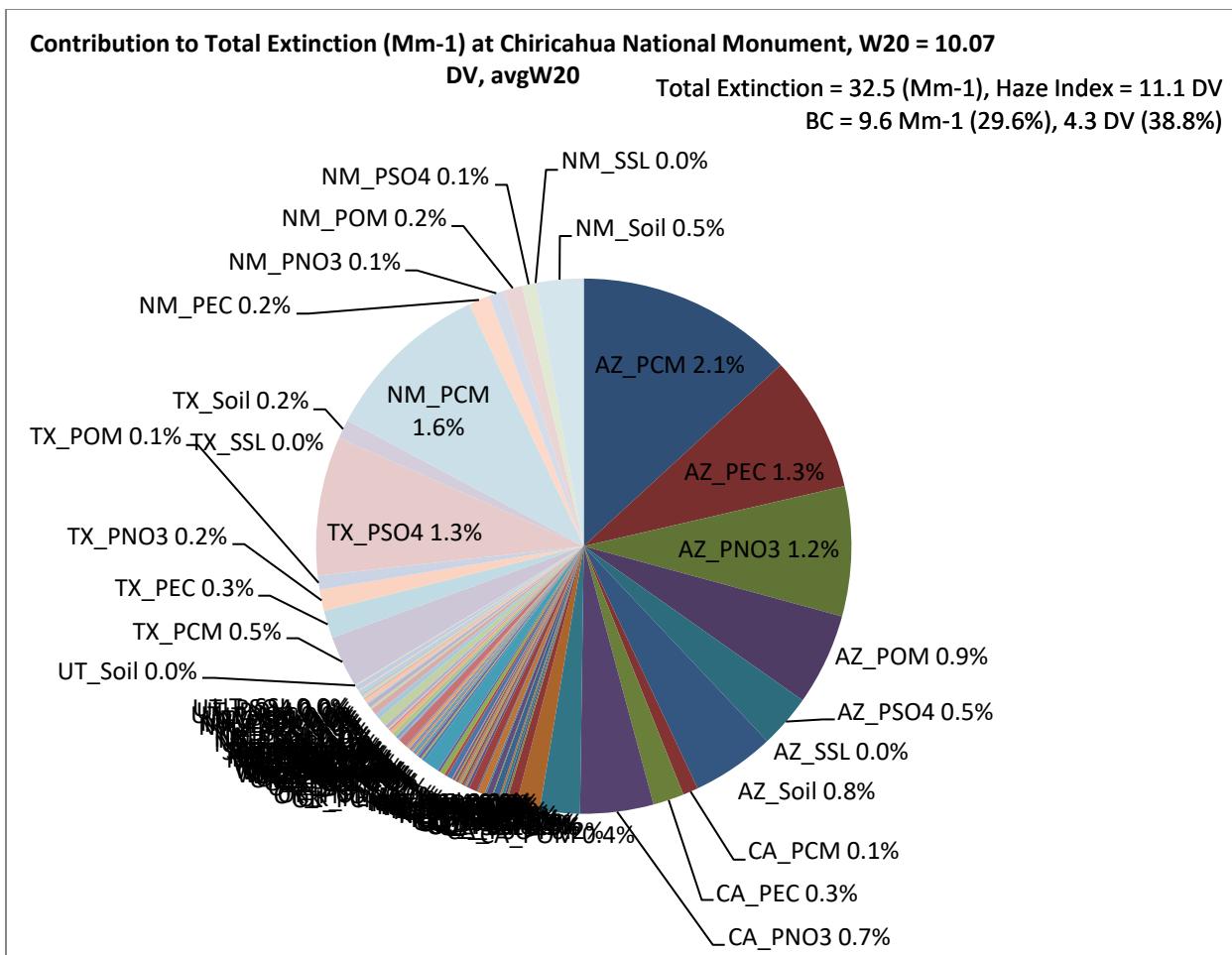




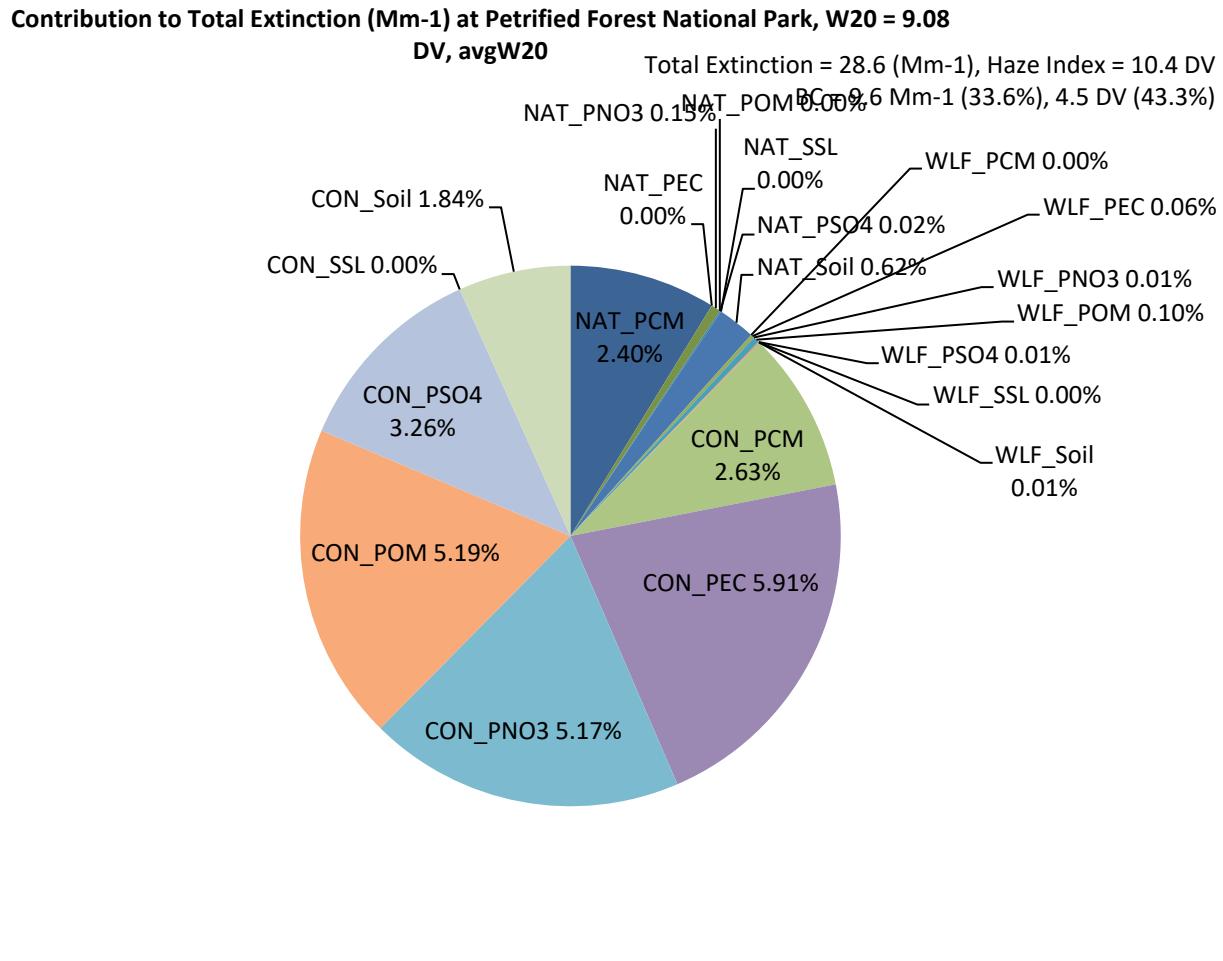
Eastern Arizona IMPROVE sites

Chiricahua National Monument





Petrified Forest National Park



Contribution to Total Extinction (Mm-1) at Petrified Forest National Park, W20 = 9.08

DV, avgW20

Total Extinction = 28.6 (Mm-1), Haze Index = 10.4 DV

BC = 9.6 Mm-1 (33.6%), 4.5 DV (43.3%)

