Table C-2. Variance-Covariance Matrix for Components of the AAPI (based on sampled and modeled data as described in Chapter 5)

AAPI Component	Q	BC0	Neco	L(NHx)	T_{NOy}	T_{SOx}	NOy	SOx
Q	0.059	-546.265	1.916003	-0.19045	-0.02419	-0.01315	0.061018	0.174289
BC0	-546.265	20602129	-28633.4	89.241	259.193	139.180	-1018.82	-1868.01
Neco	1.916	-28633.4	951.494	141.030	-0.0324	-0.435	25.364	29.751
L(NHx)	-0.190	89.241	141.030	157.968	0.822	0.115	10.994	10.755
T_{NOy}	-0.024	259.193	-0.032	0.822	0.060	0.017	0.345	0.124
T_{SOx}	-0.013	139.180	-0.435	0.115	0.017	0.009	0.059	0.012
NOy	0.061	-1018.82	25.364	10.994	0.345	0.059	4.672	3.579
SOx	0.174	-1868.01	29.751	10.755	0.124	0.012	3.579	4.718

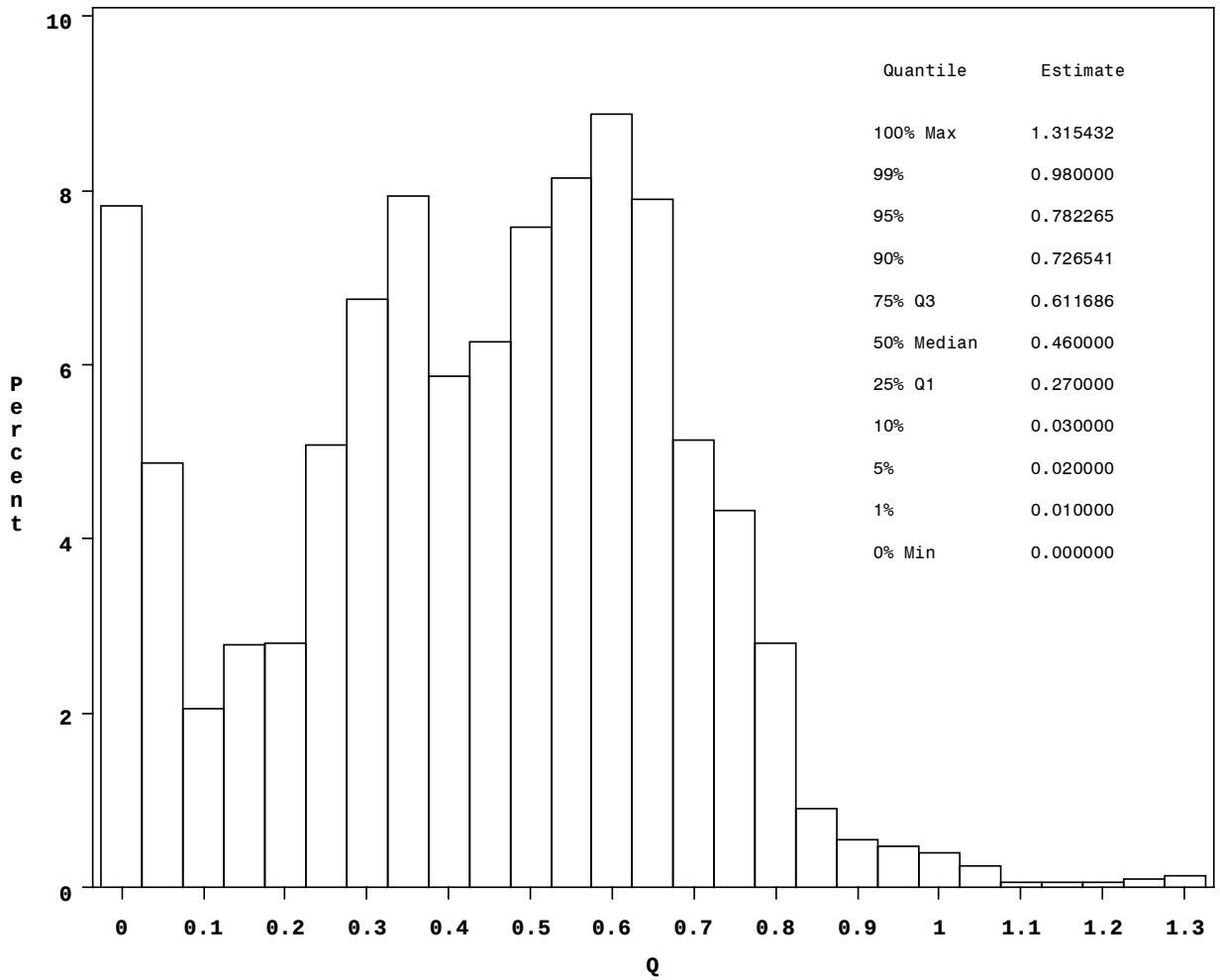

Figure C-1. Distribution of Runoff Parameter (Q)

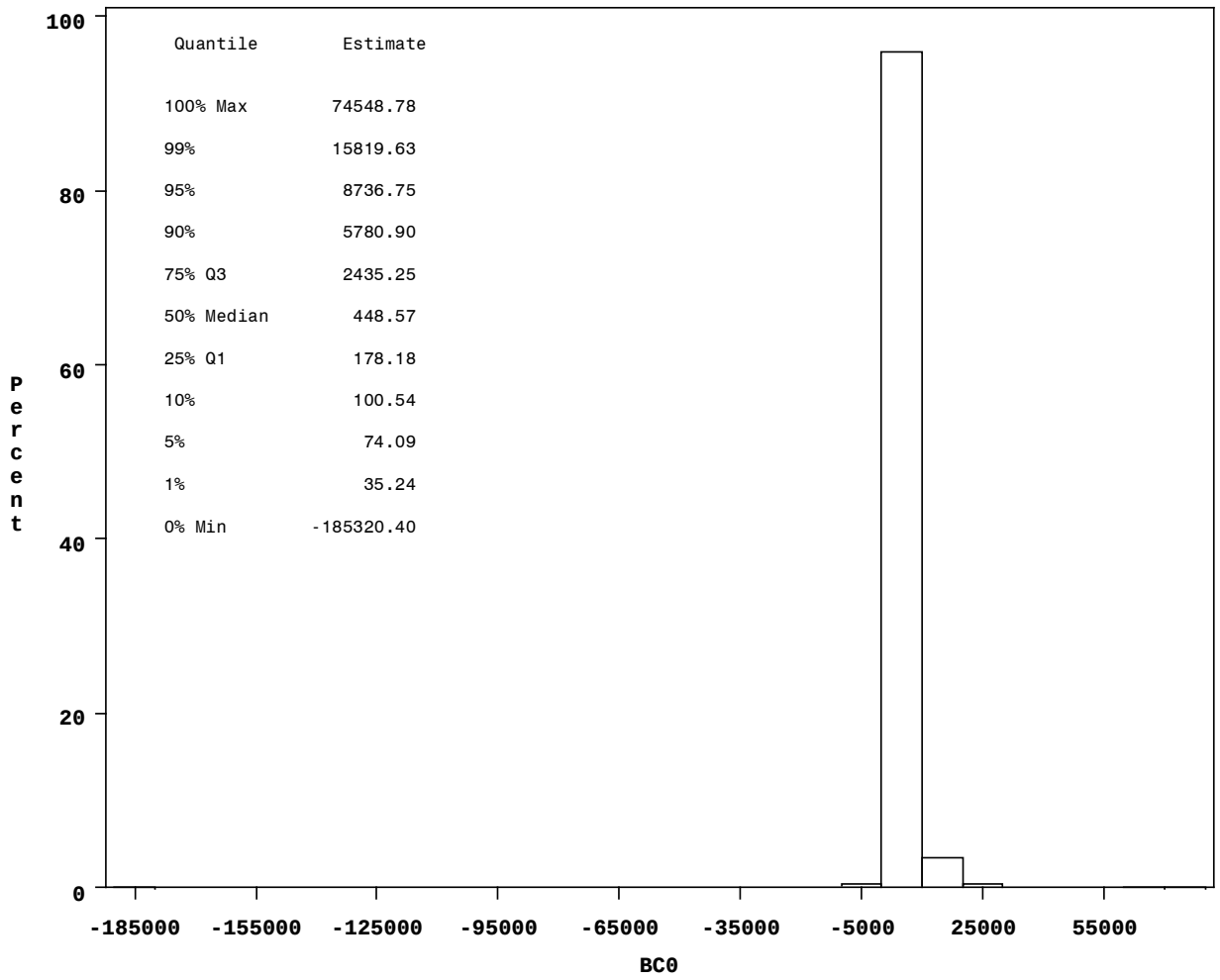

Figure C-2. Distribution of Base Cation Weathering Parameter (BC0)

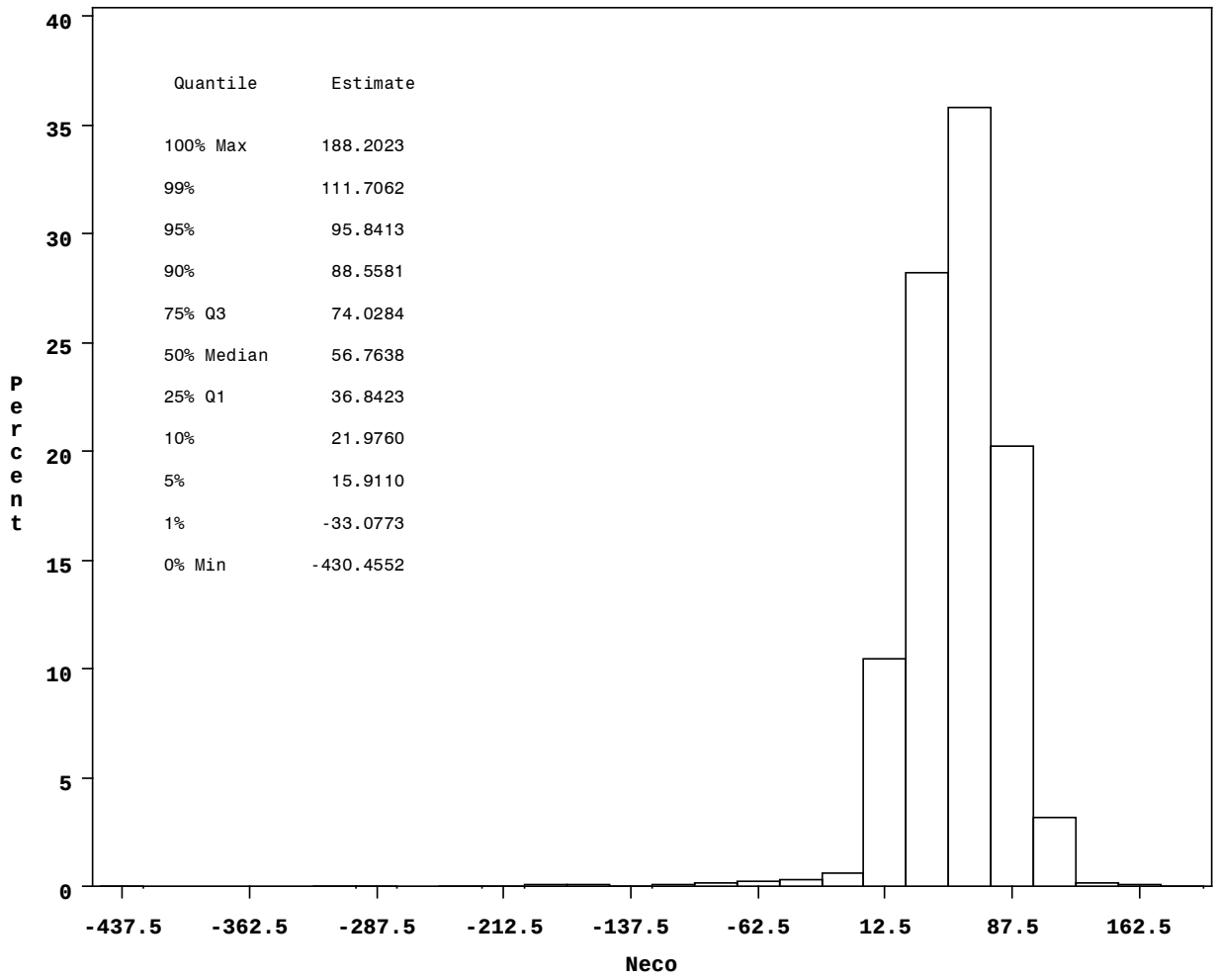

Figure C-3. Distribution of Nitrogen Uptake and Retention Parameter (Neco)

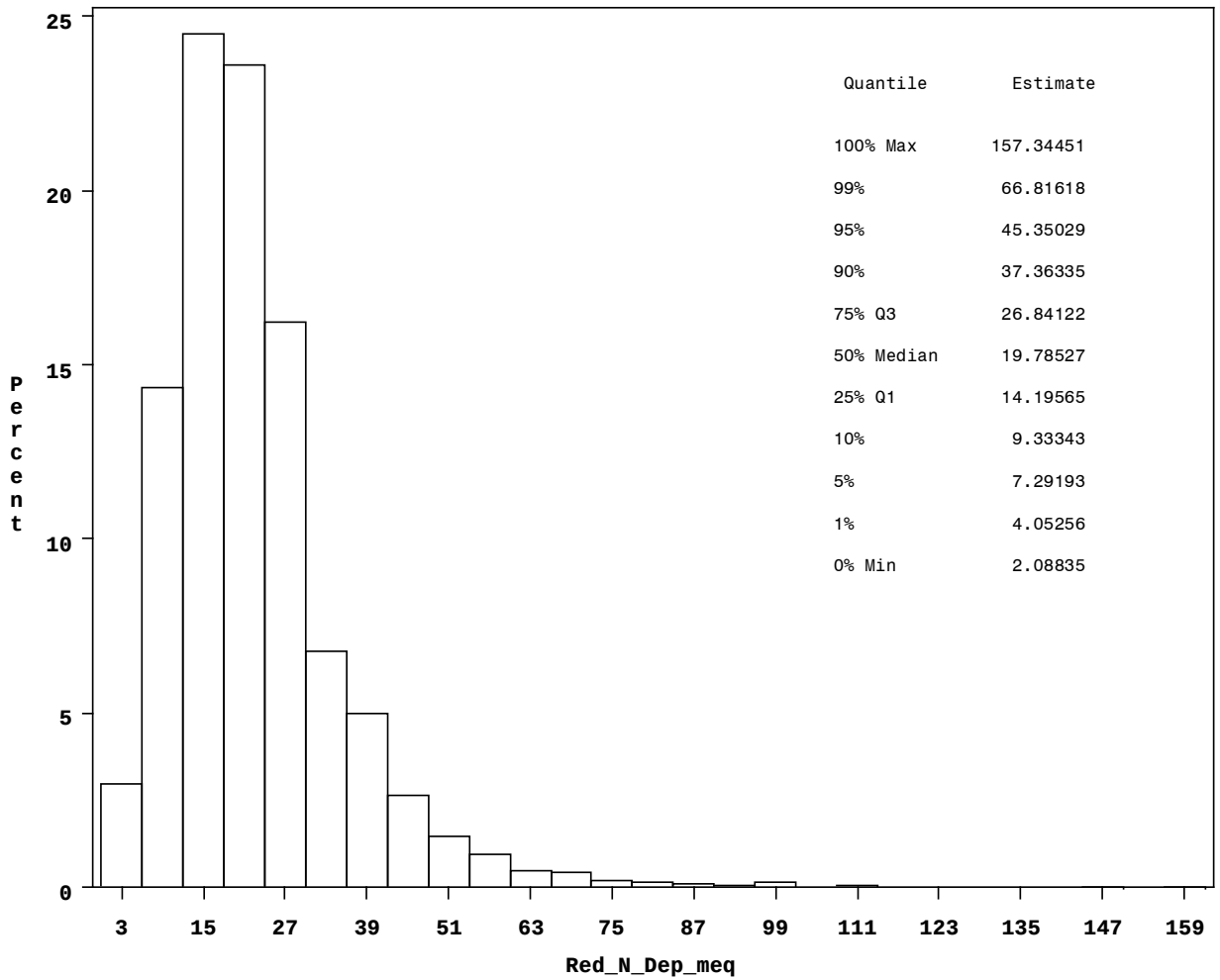

Figure C-4. Distribution of Reduced Nitrogen Deposition Parameter (L(NHx) in meq

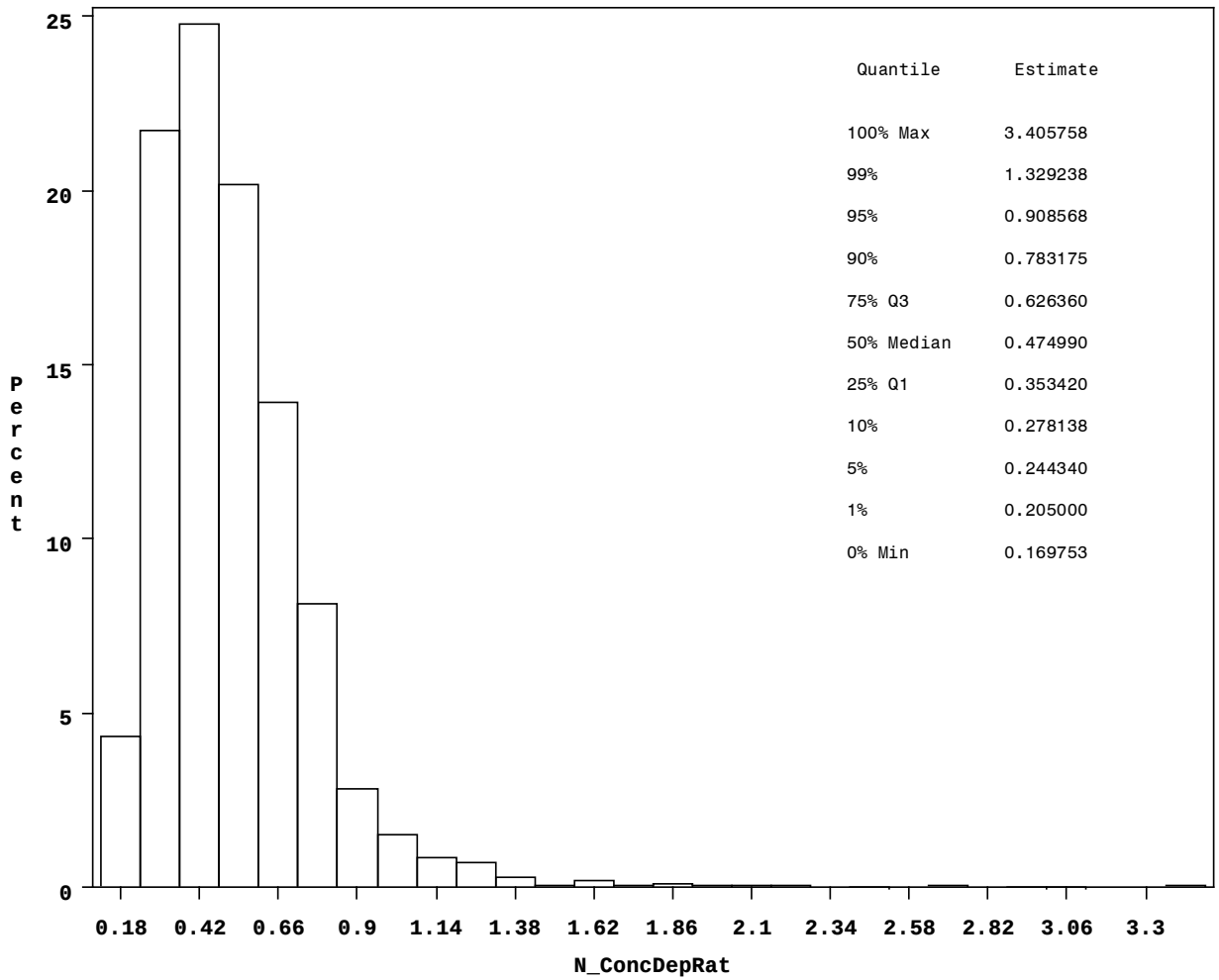

Figure C-5. Distribution of NOx Deposition Transference Ratio (T_{NOx})

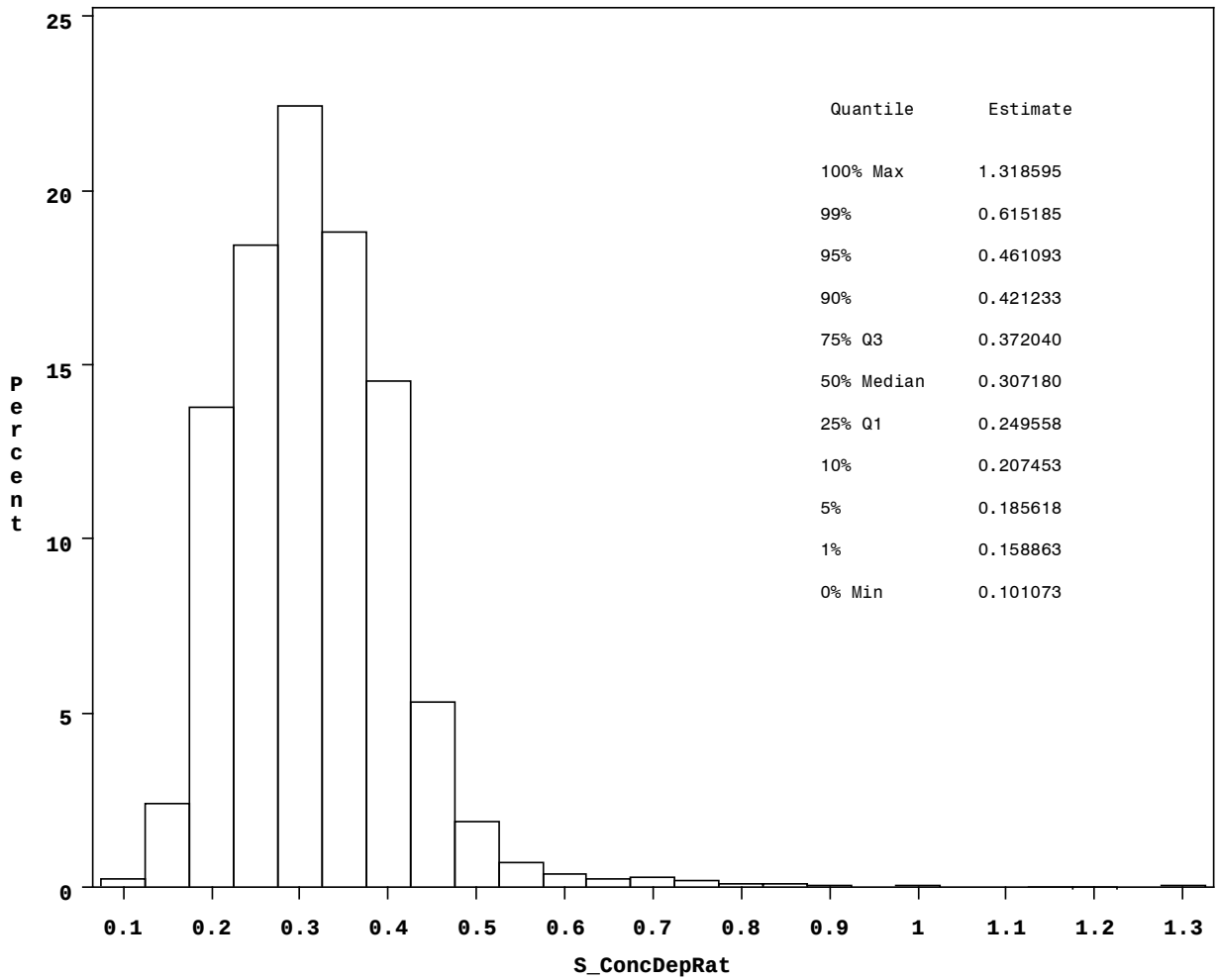

Figure C-6. Distribution of SOx Deposition Transference Ratio (T_{SOx})

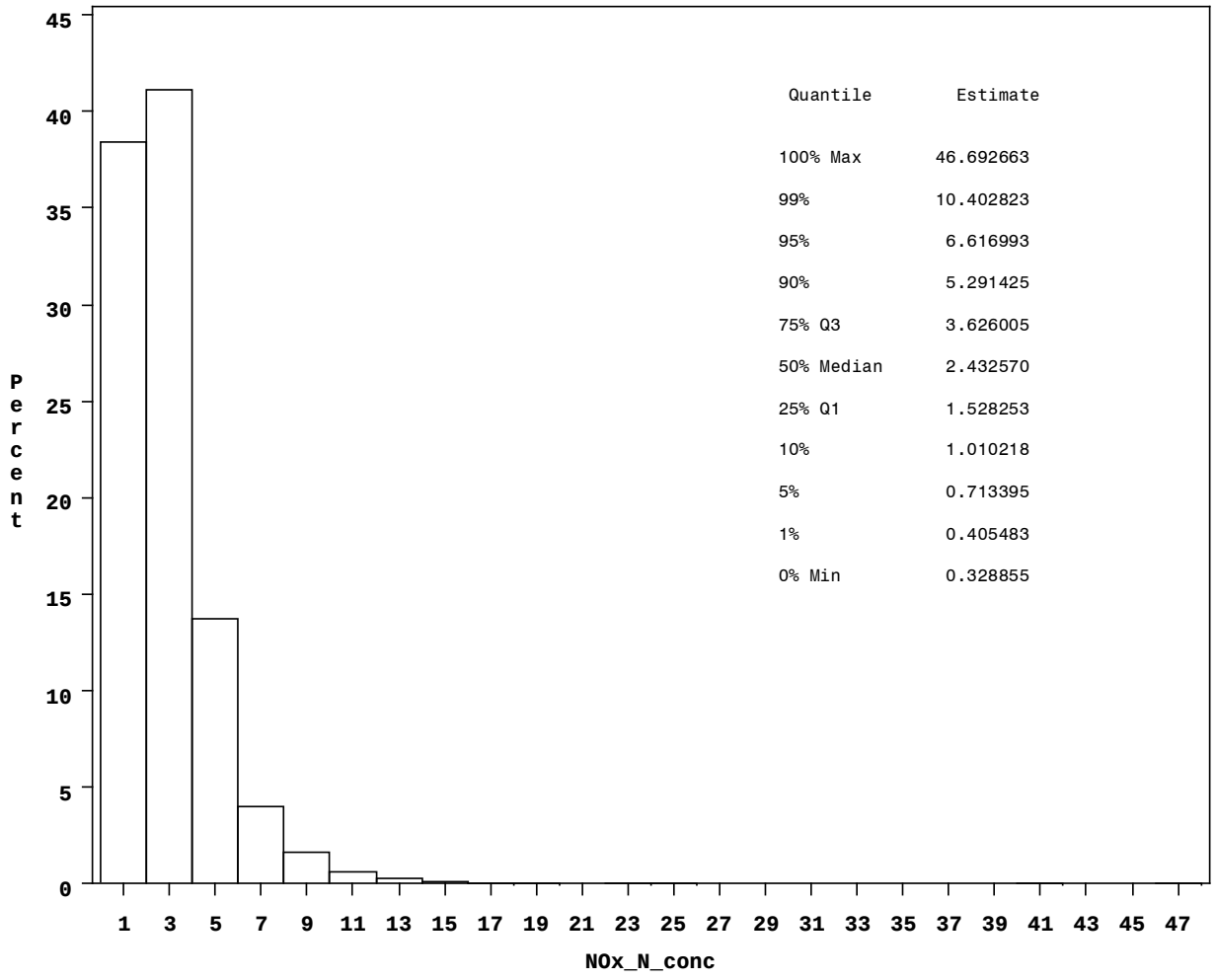

Figure C-7. Distribution of Modeled NOy Ambient Concentrations (NOy expressed as $\mu g/m^3$ of N)

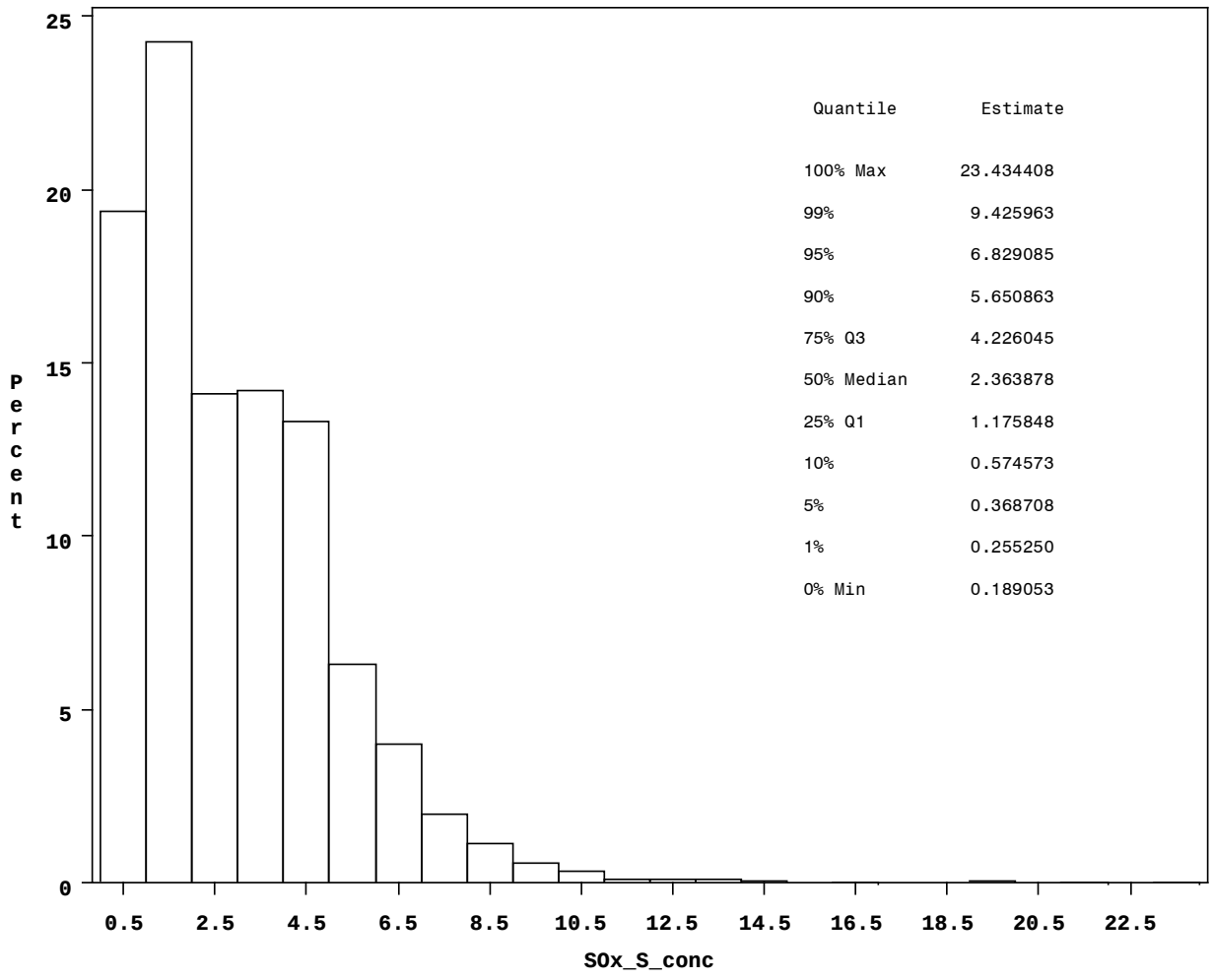

Figure C-8. Distribution of Modeled SOx Ambient Concentrations (SOx expressed as µg/m^3 of S)