

TABLE 7-3. SUMMARY OF PHYSICAL SCIENCE DATA NEEDED FOR BENEFIT EVALUATION

	Inventory	Dose-Response
A. Aquatic		
1. Sports Fishery	water availability by susceptibility, geographical area and species type	change in fish population with varying deposition levels
2. Commercial Fishery	water availability by susceptibility, geographical area and species type	change in fish population with varying deposition levels
3. Ecosystem	species diversity, numbers	changes in species diversity and numbers
B. Terrestrial		
1. Agricultural Crops	crop pattern by geographical area	change in marketable yield with varying deposition levels
2. Forests	cover type, age, stocking and size by geographical area	change in marketable yield with varying deposition levels
3. Ecosystem	species diversity, numbers	changes in species diversity and numbers
C. Buildings, Structures		
1. Material	geographical distribution by type of material and by use	deterioration rate as a function of total sulphur
2. Historic	geographical distribution by type of material	deterioration rate as a function of total sulphur
D. Water Systems	geographical distribution of systems on susceptible water bodies	change in lake/stream intake pH
E. Health		
1. Morbidity	population	sickness per $\mu\text{g}/\text{m}^3$ SO_4^{2-}
2. Mortality	population	deaths per $\mu\text{g}/\text{m}^3$ SO_4^{2-}
F. Visibility	population	change in km of visibility per $\mu\text{g}/\text{m}^3$ SO_4^{2-}