**Wilderness Characterization Template**

**For Air Quality Values Identification Process**

Wilderness Name:

Location: State, Forest, Coordinates

Physiographic Region(s)

Climate Information:

Average Annual Precipitation (inches)

Percent of Precipitation as snow

Monthly Precipitation (inches): average, max, min

Record Max and Min Precipitation (inches)

Mean Annual evapo-traspiration

Predominant wind direction in degrees

Monthly Temperature in F or C: average, max, min

Average number of freeze free days: annual, spring, summer, fall and winter

Average annual number of cloud free and fog free days

Geology: Type of rock, Dominant rock mineralogy, Dominant land forming process

Elevation: Median, max and min

Soils: Soil associations, base saturation, sulfate absorption capacity, Ca/Al ratio

Surface waters: ph, ANC or alkalinity, DOC, Aluminum, Sulfate, Nitrate

Number of lakes:

Miles of stream: perennial and non-perennial

Winter or spring fish kills: yes or no and when

Precipitation Chemisty: from nearest NADP or other similar site (<http://nadp.sws.uiuc.edu/>)

Ozone exposure for past five years from representative monitor: use ozone calculator (<http://216.48.37.155/calculator/calculator.htm>)

Visibility from nearest appropriate IMPROVE monitor (<http://vista.cira.colostate.edu/views/>)

Land cover: percent in conifer, hardwood, mixed forest, water, rock, grass, shrubs

T&E species:

Fish species:

Aquatic macroinvertebrates:

Land use history: past and current