

Impacts of Atmospheric Reactions of Dust on Air Quality



Figure 1: Photo of a saline playa taken by T. Gill. This project will study the reactivity of dust blown from these formations on air quality.

Saline dried lakebeds (e.g., playas) emit large quantities of dust into the atmosphere that can react in the atmosphere and potentially affect air quality. This PhD project will require a student to use satellite sensing products and air quality models to address the potential health impacts associated with these atmospheric reactions.