



## **SUSAN WELCH**

"Dr Susan Welch commenced with LEME in May 2002, as a Research Fellow at ANU, coming from University of Wisconsin. She has contributed to many LEME projects, including leading her own projects in Biological Weathering and Geomicrobiology of Acid Sulfate Soils and helping with Eucla Margins, Metal Mobility and others. She brought to LEME an extensive knowledge of geochemistry, geomicrobiology, trace element analysis and microscopy, using experimental and field work to study the biogeochemical reactions that affect the formation and evolution of the regolith. She has been an integral part of the research at the Loveday Basin, focussing on sulfur and salt stores, actual and potential acid generation and the mineralogy and geochemistry of the soils in that basin.

On the Education side, Sue has been extraordinarily helpful in supervising many LEME Honours and PhD students. Several of her Honours students attained first-class Honours, at least one of which, Lloyd Isaacson, is now doing a PhD. She has contributed to undergraduate courses in regolith, exciting students about weathering, geomicrobiology and more and, for several years, has also contributed to LEME short courses, in particular the Introduction to Hydrogeochemistry MTEC Course

Sue has presented results of her LEME research at national and international meetings, and her name is on an amazing number of papers written for the LEME Regolith Symposia in the past few years."

Bear McPhail  
December 2007