

Australia Day Awards 2008

The outstanding efforts of GA staff have been recognised once again with four colleagues receiving [Australia Day Achievement Medallions](#) (announcement by GA Executive Director Dr Neil Williams)

Ross Brodie for his outstanding contribution to salinity studies in GA and CRC LEME over the past eight years, particularly in the field of airborne electromagnetic (AEM) acquisition, processing and analysis.

Nomination:

Mr Ross Brodie

Ross Brodie is nominated for an Australia Day award for his outstanding contribution to salinity studies in GA and CRC LEME over the past eight years. Ross has played a vital role in contributing expertise and advice in Airborne Electromagnetic (AEM) acquisition, processing and analysis to over a dozen projects including Gilmore, the National Action Plan for Salinity and Water Quality suite of projects; and more recently a suite of projects for the Bureau of Rural Sciences, notably along the River Murray Corridor. As a consequence AEM datasets and derivative products are being widely credited as the basis for salinity and groundwater management actions and planning purposes in many areas of the Murray-Darling Basin.

Ross has ensured that contractors consistently provided robust, reliable AEM datasets for the salinity team to interpret. He has pioneered new methods for constraining inversions of AEM data. His pioneering holistic approach to inversions of AEM data have been the single most important factor in the delivery of a range of innovative outputs from the salinity interpretation projects in the River Murray Corridor. This resulted in very significant improvements in the amount of hydrogeological information that can be gleaned from AEM datasets. Half the River Murray Corridor project outputs would not have been possible without this innovation.

Ross' abilities are recognised nationally (and internationally), and his advice is sought often on all aspects of AEM data acquisition, inversion and analysis. His contributions to salinity studies have been recognised in GA's AGM Awards for achieving results (2000, 2003) and influence (2007).

Ross has achieved excellence in results through his dedicated commitment and hard work, and has balanced his contribution to salinity projects with involvement in many minerals-focussed project activities. Ross has earned respect from all colleagues for his eye for detail, his openness to new ideas, and his creativity. Last, but not least, he is recognised by his colleagues not just for his outstanding science ability, but as one who sets an example to all on how to work as an effective and invaluable team member.

SG 4/2/08