

## KEYNOTE SPEAKER

**STAUFFACHER Dr Mirko** completed a PhD in Geology at University of Geneva in Switzerland. He came to Australia in 1994, on a research fellowship from the Swiss Government to work with CSIRO on groundwater-related salinisation processes. He was involved in several key salinity-related projects, more recently in the National Land and Water Resources Audit and the Murray Darling Basin Commission-funded Catchment Categorisation project. He is now Salinity Research Director at CSIRO Land and Water and is based in Canberra, but his team is spread across laboratories in Western Australia, South Australia, New South Wales and Queensland.

## PLENARY SPEAKERS

**ALLAN MP, The Hon Pam** is the Chairman of the NSW Parliamentary Select Committee on Salinity. The Committee is currently inquiring into business opportunities to address salinity. Pam Allan MP has fourteen years of political experience in the environment portfolio as Minister for the Environment in the 51st Parliament, 1995-March 1999 and Shadow Minister for Planning, Environment and Women's Affairs 1988-95. She has been a member of the ALP since 1971 and a local Member for the Wentworthville (formerly Blacktown) electorate in W. Sydney since 1988.

**BARRETT-LENNARD Dr Ed** is a Principal Research Officer within Agriculture Western Australia and has been seconded as the CMAE's Director. He is a prominent advocate of the need to develop productive uses for saltland and is author/editor of three books and more than 50 other publications. In the 1990s, Dr Barrett-Lennard managed two Australian Centre for International Agricultural Research (ACIAR) projects on the use of saltbushes as a forage for Pakistan and Australia. In 1996 he was awarded the Pakistan Agricultural Research Council Shield for his role in the development of saline agricultural systems.

**CAMPBELL Alex** is a Sheep, Cattle and Agroforestry Farmer at Narrikup. Until recently, Alex was Chairman of Land and Water Australia, National Dryland Salinity Program, Joint Venture Agroforestry Program, WA State Salinity Council. He is a Committee member of the National Land and Water Resources Audit and Champion for its Salinity Theme. Currently, Alex is Chairman of the CRC for Plant Based Management of Dryland Salinity and the WA State Assessment Panel for the NHT.

**COLMER Dr Tim** is a plant physiologist in the Faculty of Natural & Agricultural Sciences at the University of Western Australia, and is also a participant in the CRC for Plant-Based Management of Dryland Salinity. Upon graduation from UWA, he completed a PhD on mechanisms of salt tolerance in wheat and other grass species, at the University of California in the USA. In 1996, he initiated a research program at the University of Western Australia on plant adaptation to salinity and waterlogging stresses. Current research on the use of 'wild' relatives for the improvement of

waterlogging and salt tolerance in wheat is in collaboration with Rafiqu Islam (cytogenetics) from Adelaide University, and funded by GRDC.

**CORK Dr Steven** is Senior Principal Research Scientist, CSIRO Sustainable Ecosystems in Canberra. Until recently, Steven's research focussed on nutritional and habitat requirements of forest-living animals like koalas and potoroos. A developing interest in the ways in making science more relevant to decision makers led him over 10 years ago to become involved in debates about ecologically sustainable forest management. Since then he has served as an advisor to the Commonwealth and five State governments on policy and management in this area. Two years ago he became leader of The Ecosystem Services Project, an ambitious multi-partner initiative aiming to document the benefits to humans from natural ecosystems and explore opportunities for improving those benefits.

**DORBER Colin** is the Managing Director of AWI Limited. Prior to joining AWI, Col was Executive Director of the New South Wales Forest Products Association Limited for the past 12 years. Col has an absolute commitment to putting the interests of wool producers forward as the number one priority for AWI.

**JOHN Michele** is a PhD student in the Agricultural Resource Economics Department at the University of Western Australia. Her research has included the whole-farm bio-economic modelling of a number of different salinity management options for low rainfall environments in Western Australia (saltland pastures, lucerne, oil mallees and deep drains). This research assesses the potential profitability and water use of these options for sustainable salinity management.

**LLOYD Michael** has been farming in the Lake Grace area of Western Australia for over 40 years. In the early 1980s, Michael realised that increasing salinity was threatening the viability of his property. Since 1989, he has revegetated over 600ha of this saline land to increase the productivity of the area. Michael has actively promoted the productive use of saltland with presentations at various conferences, both nationally and internationally, and has held field days on his property for the last 5 years. Following his return from a conference in Tunisia in 1996, Michael established the Saltland Pastures Association (Inc.) and continues as the inaugural Chairman. He is Chairman of the Management Board of the Animal Production from Saline Land System programme, is one of two farmer members of the National Committee of PURSL and is a member of the Sustainable Wool Advisory Group (SWAG). In 2001, Michael was a member of the Salinity Taskforce established to review salinity management in Western Australia. He was also a member of the consultation team that developed the Sustainable Grazing of Saline Land sub-programme of the Land, Water and Wool Initiative.

**O'CONNELL Michael** currently works as Regional Economist with the WA Department of Agriculture, based in Albany. His work involves a wide variety of activities to do with agricultural economic and financial analysis. He has

particular interests in whole-farm bio-economic analysis and investment appraisal. Prior to joining the Department of Agriculture Michael worked as a farmhand in the Avon Valley and Eastern Wheatbelt before completing an Honours degree in Agricultural Science from the University of Western Australia.

**PANNELL David**, a prominent commentator on national salinity policy, is Associate Professor in Agricultural and Resource Economics at the University of WA. His research includes farmer adoption of land conservation practices, and the economics of land conservation at farm, catchment, and community levels. He was a member of the WA Government's Salinity Taskforce in 2001. David's research has won awards in Australia, Canada and the UK. In 2000 he was President of the Australian Agricultural and Resource Economics Society. He is Leader of the Economic and Social Assessment Program in the Cooperative Research Centre for Plant-Based Management of Dryland Salinity.

**PRICE Dr Richard** is the National Manager of the National Dryland Salinity Program, a Board member of the CRC for Plant-Based Management of Dryland Salinity, and a senior Program Manager of Land & Water Australia. In recent years, he has been an advocate for environmentally sound productive uses of saline land and has been a driver of a number of initiatives in this area including the Sustainable Grazing on Saline Land program of Land Water & Wool. Richard believes strongly that the solutions to natural resource management problems lie with people, both collectively and individually.

**ROBERTSON Dr Graeme** has been Director General of the Department of Agriculture, WA since August 1995. His career has involved a wide range of research, development and management activities in agriculture, including a period as officer in charge of the Kimberley region, Director of Resource Management and Commissioner of Soil Conservation, before being appointed Deputy Director General of the Department in 1990. During his period as Commissioner of Soil Conservation, Dr Robertson was involved in the development of the Landcare movement in Western Australia, and nationally, and served on the Federal Soil Conservation Advisory Committee for three years during the early development of the National Soil Conservation Program. In 1990 he was appointed as the inaugural chair of the Land and Water Resources R&D Corporation and held this position until 1996. Dr Robertson is and has been involved in a large number of committees, boards and working groups associated with Food and Agricultural industries and resource management.

**SOUTHWELL Andrew** manages the family wool production business on the NSW Southern Tablelands, 45 km north of Yass. Eden Brae Pastoral Company produces 30,000 kg (clean) of 19 micron wool annually from 8-9000 merinos on 1180 ha in the upper Lachlan River catchment. For the past 20 years the business has been implementing a variety of strategies to manage, rehabilitate and bring back into production the 10-20% of saline land on their properties. Numerous field days have been held on 'Eden Brae' to observe the positive results so far achieved. Andrew is

married to Michelle and has 4 young children, is a board member of APSLS (Animal Production from Saline Land Systems) and has a Bachelor of Management (Farm Business) from Sydney University.

## **CONCURRENT SESSION SPEAKERS AND POSTER PRESENTERS**

**ARCHIBALD Robert** has been a Technical Officer in the Science Division at the Department of Conservation and Land Management (CALM) for the past two years. His project area is a NHT funded project examining the design and placement of tree planting for salinity control. Robert was previously employed in the CALM bluegum sharefarming section from 1996 - 1998. His paper is based on the results of an Honours thesis submitted in 2001.

**COLLINS John Paul** is a Research Officer (Saltland Pastures), Productive Use and Rehabilitation of Saline Land Project (PUR\$L), Department of Agriculture, WA.

**CORNWALL David** is a Salinity Project Officer, Department of Natural Resources and Environment, Victoria.

**CRAIG Andy** has been involved in the evaluation of pasture legumes for over 20 years. In more recent times he has concentrated his efforts on the evaluation of balansa clover - overseeing the development and commercialisation of the three commercial cultivars Paradana, Bolta and Frontier. Andy has also developed considerable expertise in the evaluation of pasture legumes in saline environments - having worked in these challenging environments for the last 8 years. Andy presently heads up the CRC's 'Discharge Group' - a group who's principal role is to develop improved forage species for saline environments.

**CROCKETT Judith** is a graduate of the University of Adelaide, Judith is project coordinator for Mid Macquarie Landcare. She plays an active role in the management of her family's mixed farming property in Bakers Swamp, Central West New South Wales, and is Chairperson of the local Landcare group. Her Doctoral research, carried out within the Centre for Rural Social Research, Charles Sturt University and looking at the relationships between farming culture and farm management, is currently undergoing examination.

**DALE Dr Glenn** graduated from the Australian National University in 1985 with a BSc (Hons) in forestry and a BSc in biochemistry. Worked for six years with Queensland Forestry before returning to university in 1991 to undertake a PhD in molecular genetics of forest trees. In 1993, Glenn was awarded a Fulbright scholarship and undertook postdoctoral study at North Carolina State University in the United States. Since returning to Australia in 1996, Glenn's work has focussed on breeding and development of fast growing, salt tolerant eucalypts for commercial forestry. He is currently Technical Director of Saltgrow Pty Ltd, a majority owned subsidiary of Yates Limited.

**DOUPÉ Rob** is a researcher and doctoral candidate in the Division of Veterinary and Biomedical Sciences at Murdoch University. He has a background in aquatic ecology, and maintains a broad interest in water and river management, and the population and quantitative genetics of finfish species including barramundi and black bream. His interest in dryland salinity involves the development of environmentally sustainable production systems for inland saline aquaculture.

**ENGLISH Pauline** is a Geologist/Hydrogeologist. She has a PhD in Groundwater and Salinity Processes. Pauline came from a wheat-sheep farm and so has considerable empathy for farmers facing the salinity problem. She works in the Salinity Processes and Management Research Group at the CSIRO Land and Water Division. Her area of interest is in understanding how hydrogeological systems work in 3 dimensions, and the spatial and temporal variability and fluxes of groundwater and salinisation processes.

**EVANS Pedro** has a first degree in Agronomy from Argentina and a Master of Science from the University of Reading, England, in Crop Physiology. Has worked with crops in the University of Western Australia (lupins) and with subterranean clover in Tasmania (National sub clover improvement). Then to WA again where he worked amongst other things in pasture:crop rotations, lucerne for recharge areas and Persian and balansa clovers for saline/waterlogged soils. Has played a major role in the development of Persian clovers Nitro plus and Prolific and balansa clovers Bolta and Frontier. He now works for NRE in Hamilton where, through his work in the national annual pasture legumes improvement program (NAPLIP) he is developing what would be the first commercial melilotus albus in Australia. The plant has adaptation to neutral to alkaline saline areas of southern Australia. He also works on pasture:crop rotations for the high rainfall zone and is the high rainfall zone leader for NAPLIP.

**FAIRBAIRN Lee-anne** is a Dryland Salinity and Soils Extension Officer with the Department of Natural Resources and Environment, Victoria. She has worked in the field of Dryland Salinity Management for the past 8 years, in the Wimmera, Goulburn catchment in North East Victoria and the Glenelg Hopkins catchments in South West Victoria. For the past 7 years Lee-anne has been based at the Pastoral Veterinary Institute, Hamilton. She has been researching the possibilities for using EM31 salinity hazard mapping for dryland salinity management for the past 4 years. She has also been working on tall wheatgrass management options to increase water usage, improve soil health and increase productivity.

**FERDOWSIAN Ruhi** is a Senior Hydrologist in Department of Agriculture in Western Australia. Currently involved in: mapping the extent of salinity, using remote sensing tools, predicting the extent of salinity, developing statistical analysis methods and tools to analyse groundwater level changes in response to rainfall and treatments. His other work includes the role of shear zones, airborne geophysics, groundwater resources, baseflow salinity in rivers and creeks, agroforestry, nature conservation (e.g. wetlands) and, salinity and waterlogging in relation to landform patterns.

**FITZPATRICK Robert William** is Senior Principal Research Scientist and Research Group Leader in CSIRO Land & Water (CLW)/ CRC for Landscape Environments & Mineral Exploration (CRC LEME). Pedology, geochemistry, mineralogy, spatial analysis and land use assessment. He devises, develops and undertakes research on: Development of field and laboratory methods for identifying, characterising and mapping the occurrence of various acid sulfate, saline and sodic soil-water systems; Development of new and or more accurate soil-landscape process models, by incorporating, pedological research, mineralogical investigations, geochemistry, terrain analyses and remote sensing, which will lead to a better understanding of soil properties that change in landscapes with time; Applying this information to derive pedotransfer functions to help spatially model and predict soil-landscape properties with implications for both catchment management and mineral exploration; Development of planning tools in the form of user-friendly manuals, books, pamphlets and consulting reports for a diversity of purposes in relation to: agricultural, viticultural, forestry and mining industries, public telecommunications agencies, surface water quality problems, urban planning and forensic science.

**FLOWERS Tim** is currently working at SARDI aquatic sciences as a research officer, involved in shellfish and inland saline aquaculture. Prior to starting at SARDI, Tim worked for commercial prawn and freshwater aquaculture companies. His tertiary studies include a graduate diploma of applied science in aquaculture (University of Tasmania), and a bachelor of science in marine biology (Flinders University of South Australia).

**GAMMIE Nicole** graduated with an Honours degree in Natural Resources from UNE Armidale in 1998. She was first employed by NSW Agriculture to work as a Technical Officer on the rice soil suitability project at Deniliquin before moving to Cowra to work as a Salinity Strategic Planner for Department of Land and Water Conservation. This involved determining areas where salinity may be a problem in the Lachlan catchment. Currently Nicole is employed by NSW Agriculture as a Salinity Advisory Officer based at Condobolin in NSW to provide assistance to the mid to lower Lachlan catchment community regarding salinity.

**HAMILTON Greg:** a research manager and soil physicist has worked with the Department of Agriculture since 1986. His work has included soil erosion research, saltland revegetation, soil surveys, tillage effects on soil structure and rainfall infiltration, managing research into solutions for a wide range of soil problems, improved soil management and farming systems for grey clay soils and raised bed farming to prevent waterlogging. The latest project he and colleagues are undertaking is funded by the GRDC, CRC for Saltland Management and the Department of Agriculture.

**HARDY Justin** currently works as a Development Officer with the WA Department of Agriculture, based in Albany. His work involves the investigation of productive use and rehabilitation of salt affected land. He is currently managing several key activities in the Department's Farming Systems to Manage Salinity project, that provide extension and

participatory research on production and revegetation systems for saline land. Justin Hardy has worked for the Department of Agriculture for 12 years and has an Honours degree in Agricultural and Environmental Science from the University of Newcastle-Upon-Tyne.

**HOPKINS Derek** was born in Merredin, WA and spent many years on the family farm at Bodallin, 60km east of Merredin. He trained as a Civil Engineer and worked in the construction and water industries. His interest in environmental issues led him to take on the role of the State's independent environmental Appeals Convenor. Derek is involved in farm management at Bodallin and has been actively involved in the Bodallin Catchment Group and has managed projects for the Group.

**I'ANSON Pamela** currently works as a Development Officer with the Western Australian Department of Agriculture, in Northam. Her area of interest is the social issues affecting agriculture in the wheatbelt. She has had extensive experience in developing and delivering learning programs for farmers and staff employed at the Department.

**KEIGHERY Greg** is a principal research scientist with the Department of Conservation and Land Management. During the past four years he has been program leader of the "Biological Survey of the Agricultural Zone of Western Australia", undertaken as part of the State Salinity Strategy. The survey has involved over 25 biologists collecting information on such diverse groups as plants, frogs, spiders, centipedes and aquatic invertebrates to document the diversity of the region, the threat posed by rising saline groundwaters and the selection of natural diversity recovery catchments to combat this threat.

**KELLY Dr Rob** is the Program Leader, Mediterranean Livestock Systems, within CSIRO Livestock Industries. He is based at Floreat Park in WA, and has responsibilities that encompass livestock production in the areas below the 26th parallel. The group he leads covers a wide range of expertise, including animal nutrition, animal physiology, grazing management, nutritive value of feeds, pastures from space and felting properties of wool. In 2000 he started the "Animal Production from Saline Land Systems" initiative, which is now reaping tremendous benefits across Australia in developing new investment and innovative approaches to utilisation of saline land.

**LYMBERY Alan** is a Senior Lecturer in the Division of Veterinary and Biomedical Sciences, Murdoch University. Alan is currently collaborating with industry groups and individual farmers on a range of projects concerned with the development of aquaculture in inland salt water.

**MASTERS David** has been a research scientist with CSIRO Livestock Industries since 1985. He has a research background in mineral nutrition in ruminants and in nutrition and wool growth in grazing sheep. Most recently David has been involved in the Animal Production from Saline Land initiative to improve the profitability of animals grazing saline land.

**MCFARLANE Jock** is a Senior Consultant, Dryland Salinity Services, PIRSA Rural Solutions in South Australia. From a background in trace element research in soils, plants and animals and natural resource management, Jock became involved with dryland salinity over 10 years ago. He provided technical input and support to the Environmental Impact Statement for the Upper South East Dryland Salinity and Flood Management Plan and has since been involved in the planning and implementation of this major project. His major expertise is in: saltland agronomy; involvement in projects on catchment planning; wetland/agricultural land interactions; extension programs to promote saltland agronomy. Jock is a Committee member of IAASA (Inland Aquaculture Association of South Australia). He is currently involved with a study to identify the potential for intensification of sustainable grazing livestock in the high rainfall regions of the South East.

**MOYLE Geoff** joined URS Australia in 1995 (then AACM International) and is now an Associate Resource Economist within the Natural Resources, Forestry and Development division. Geoff has led or been part of project teams that have worked in all states of Australia, as well as China, Vietnam, and Solomon Islands, applying economics to industry, the environment and society. His professional focus is on multi-disciplinary projects involving economic and financial analysis, cost sharing, project evaluation, economic modeling and triple bottom line reporting. Particular fields where these skills have been applied include sustainable rural development, land and water management, developing country poverty alleviation and environmental rehabilitation.

**MUSIKER Arnon** is in the Structured Capital Markets division of Deutsche Bank in Sydney. Arnon has been involved in investment banking over the last seven years and has worked on transactions across a range of economic sectors in Australia, South Africa and London, including commercial property, toll roads, oil and gas, utilities and energy, transport and telecommunications. Much of this work involved mobilising debt and equity capital for projects from institutional and corporate investors, and understanding the characteristics of these various asset classes. Arnon is using these principles to develop funding structures for projects aimed at generating environmental benefits, specifically carbon credits, dryland salinity reversal and rural land rehabilitation. This work has required him to build up an understanding of the various international and domestic government policy initiatives that should facilitate a market for these environmental benefits. In particular, Arnon is currently participating in: Initiatives to address project-level carbon accounting and verification; Developing structures to monetise carbon credits and renewable energy credits generated by renewable energy suppliers; and Initiatives aimed at promoting an Australian market in traded sequestration-derived carbon credits.

**NORMAN Hayley** is a pasture ecologist working for the Livestock Industries group within the CSIRO Centre for Mediterranean Agricultural Research. Her research interests include reproductive strategies of annual plants, saltland agronomy and pasture selection and utilisation by grazing

animals. Currently she is working on a project entitled animal production from saline land systems.

**NOTT Rosemary** is a hydrologist who has worked with the Department of Agriculture in Merredin and Lake Grace since 1997. Her current projects include the Merredin Groundwater Pumping and Desalination Project, Lake Bryde Recovery Catchment hydrogeological investigation, Beacon River Catchment Study and hydrological appraisals of catchments in the Shires of Lake Grace, Yilgarn, Westonia, Nungarin and Trayning. Her interests include productive uses of saline groundwater and the development of integrated systems to manage salinity, waterlogging and water shortage.

**PARSONS Wolford** is a 62 year old farmer from Port Vincent on the York Peninsula, South Australia. Twenty years ago he observed the alarming spread of salinity and realised the prospect of becoming bankrupt with the loss of the best barley growing areas on his property. The fight against salinity has become a passion and he is currently working with School Groups, the Adelaide University Roseworthy Campus, the York Peninsula Soil Board (of which he is a member) and on the National Board of APSL (Animals and Plants for Saline Land Systems).

**PARTRIDGE Gavin** is the research biologist at the WA Maritime Training Centre's Aquaculture Development Unit (ADU). Gavin's roles in aquaculture research are varied. For example, he is currently undertaking a PhD on the digestive physiology of marine fish larvae and also undertakes applied research into the use recirculating aquaculture systems. He has been involved in projects concerning the development of recreational and commercial aquaculture in the Wheatbelt of WA since 1997. His activities in rural WA have recently intensified in conjunction with the WA Department of Agriculture to investigate the use of aquaculture in conjunction with salinity solutions.

**PEARCE Kelly** completed an undergraduate degree in Agricultural Science from UWA in 2000. Currently in the second year of a PhD with CSIRO Livestock Industries and the School of Veterinary Studies at Murdoch University. PhD topic is 'The effect of grazing saltland pastures on the carcass and eating quality of sheep and cattle'.

**ROGERS Dr Mary-Jane** is a Research Scientist from the Institute of Sustainable Irrigated Agriculture, Department of Natural Resources and Environment in Victoria.

**SARGEANT Mark** is nearing completion of his Masters of Agricultural Science at the University of Melbourne. He has been working on a project with NyPa Australia trailing a new halophytic grass as a forage in northern Victoria irrigated with moderately to highly saline irrigation water.

**SHAFIQ Dr Muhammad** is a Programme leader of Soil and Water Conservation in Water Resources Research Institute, National Agricultural Research Center, Islamabad. He possesses about 30 years of working experience in different capacities in the areas of Soil Fertility, On Farm Water Management (research and training) and Soil and Water Conservation (Research and development). He enjoys close

collaboration with farming communities, NGOs and developmental agencies while conducting research and development activities. Dr. Shafiq has around 100 research papers/articles at his credit, which have been published in scientific journals of national/international repute and/or presented in national/international workshops, seminars and congresses.

**SMITH NEIL** is a farmer in the Merredin Shire who runs a mixed broadacre enterprise with his parents and brother. Salinity affects over 400 acres of land on the farm and is currently being managed with saltbush for grazing. In 2000 Neil was awarded a Nuffield Farming Scholarship to study the multiple use of saline water. He travelled with his wife Rosemary in spring 2001 to Israel, Spain, the USA and Mexico. They investigated industries using saline land or water. These included halophytes, aquaculture, solar gradient ponds, salt harvesting, desalination, drainage management systems, water harvesting systems and genetically modified salt plants.

**THOMPSON Dr Andrew** is a Senior Scientist with the Department of Natural Resources and Environment in Victoria, based at the Pastoral and Veterinary Institute in Hamilton. Dr Thompson has 14 years post-graduate R & D experience within the wool and lamb production industries in three states (Western Australia, South Australia and Victoria), and is well recognized at a local, state and national level for work on the development of sustainable and profitable grazing systems. More specifically, his main research outputs have been development of controlled grazing strategies to manipulate wool production and quality. He is currently the Manager of the Sustainable Agricultural Systems Group at the Pastoral and Veterinary Institute, which includes key projects in areas of biodiversity, farm forestry, pasture ecology, sustainable use of nutrients, and wool, lamb and mohair production. He is the interim leader of subprogram 12 of the supplementary bid to the Salinity CRC, 'Profitable and sustainable grazing systems from perennial pastures in recharge areas'.

**TIPPETT Greg** has been managing his family farm "Ynoo", south of Shackleton, since 1996. With 15% of the farm affected by salinity, Greg has taken an active role in landcare, both on his farm and also in the local community. He is on the committee of the Bruce Rock LCDC and is a member of the Saltland Pastures Association. On the farm, Greg aims to minimise the damage of salinity by using better management techniques with the hope of improving production from it. For the past 7 years, his main focus has been to utilise vegetation that can use groundwater and stabilise the soil affected by salt. As a result of this work, he has been able to incorporate a productive grazing system increasing the livestock carrying capacity of the farm.

**TRENDALL Dr Jasper** is an aquaculture consultant based in Albany, Western Australia. He has a background in fisheries management and has worked extensively in aquaculture development in both industry and government. Between 1985 and 1995 he was directly involved in the start-up stages of barramundi farming in Australia and in land-based production in particular. He is currently working with

The Saltwater Trout Alliance Inc, a small group of producers and processors, to develop and build supply chain competence for trout farmed in inland saltwater.

**TRUONG Paul** is Principal Soil Conservationist (Research) with Queensland Department of Natural Resources and Mines. His main area of interest is the use of vegetation for erosion control and land rehabilitation, including salt affected lands. He has worked with both salt bushes and grasses. His current work includes the use of vetiver grass for rehabilitation of saline lands in Queensland.

**WALSH Ian** and Joan farm 1460 ha of duplex soils near Cranbrook in Western Australia, with 450 mm of rainfall. Over the last 18 years along with other neighbouring farmers they have successfully pioneered farming on saltland in the North Stirling area. Through a process of continuous trial and learning the Walsh's have been able to stay profitable through establishing, managing and utilising salt tolerant pasture species as a significant part of their farm system. The Walsh's have a direct seeding method that has exciting potential for wide-scale revegetation of native species. Ian is beginning to offer this as a contracting service in the district. Ian is keen to see a universal adoption of saltland revegetation onto farms in the wheatbelt and for a market to be developed for a clean green meat and wool product. Ian is adamant that thorough research needs to be done on the emerging saltland production systems before they are widely extended to the farming community.

**WOODALL Geoff** currently works as a research officer with the Department of Agriculture in Albany, Western Australia. His area of interest is the ecophysiology of Australian native plants. He has worked on tree/crop interactions, leaf development, nitrogen metabolism, the development of *Platysace spp.* for human consumption and on the development of an on-farm sandalwood industry for the WA wheatbelt.

**YORK Tony** is a third generation farmer, farming with his wife, Donna and brother, Simon. Together they run a 10,200ha mixed farming business in Tammin. The farm has more than 2,000ha of salt affected land, much of which has been saline for more than 40 years. They have been able to re-vegetate and graze more than 1,000ha of this saltland on an annual rotation. Together with cropping innovations and pulses, they are running substantially more livestock (sheep) through the use of this saltland.