

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Aiken	Jane	Dr	2007	CPSS	PhD (Env), MSuAg, BSc(Hons), BSc, A/DiplAppSc. Member of Soil Science Australia since Dec 2003.	Consulting & Environmental Services Pty Ltd	NSW	Dr Jane Aiken is a private consultant based in Lithgow NSW.	Jane works in the scope of SOILS, SCIENCE AND THE ENVIRONMENT serving clients in Lithgow, the Blue Mountains and the Central West. Providing wastewater system design; Waste soil validation & resource recovery product certification: Contaminated site assessment: Soil reuse, site rehabilitation & remediation proposals; Scientific reports, environmental monitoring & review and taking an ethical approach to the land. Quantifying sustainability through neutral or beneficial effect (NorBe) and making the most of what we have, loving the land, treading lightly and understanding soils. Providing solutions for Soil Erosion, Soil Fertility, Sedimentation and Erosion, Recycled Materials, Regenerative Agriculture, Ecology.	0407 990 613	info@cessoils.com.au
Ashford	Tamara	Miss	2010	CPSS	BEnvSc(Hons)	Environmental Earth Sciences QLD	QLD	Tamara works with Environmental Earth Sciences (Qld 2009-2013; VIC > 2013) and is experienced in project management of contaminated land complying with Qld, NSW and VIC legislation for assessment of contaminated land as well as waste classification and acid sulfate soils. I undertake preliminary and detailed site investigations with interpretation of groundwater and soil chemistry data; soil, groundwater, surface water and vapour sampling and investigation; groundwater and soil contamination assessment; landfill monitoring; acid sulfate soil assessment and management plans; soil classification and soil remediation.	Contaminated land assessment and soil remediation, project management, preliminary and detailed site investigations, interpretation of groundwater and soil chemistry data	0400 037 992	tashford@environmentalearthsciences.com
Azam	Gausul	Dr	2017	CPSS	PhD Soil Physics, MSc Soil Sci, BSc(Hons)	Dept Agriculture & Food WA	WA		Soil physics, soil plant relationships, soil acidity, soil structure and soil water relations	0433 883 837	Gaus.Azam@dpird.wa.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Bacon	Peter	Dr	1997	CPSS	PhD Soil Science	Woodlots and Wetlands Pty Ltd	NSW	> 30 y experience in soil, water & vegetation management; published > 350 articles ranging from expert systems to reviews of major ecological processes. Between 1973 and 1976 he investigated nutrient and water distribution in irrigated orchards. In 1976 he joined the Chemistry Branch of the Biological and Chemical Research Institute and studied N and C cycling under a range of land and water management systems. His PhD was on N and C cycling in flooded and intermittently flooded systems. In 1988 he was appointed state coordinator of Soil C and N Research for the NSW Dept of Agriculture. He lectured part time at Univ. Sydney, UTS and Univ New England. In 1990 he became Senior Research Scientist in State Forests of NSW. In 1991 he was appointed coordinator of the Soils, Nutrition and Hydrology Section of Forest Research. In 1992 he was awarded a Churchill Fellowship to study in South Africa, Israel, Portugal and USA. Specific aspects included modelling water quality changes in wetlands, movement of contaminants in soils, and environmental effects of effluent reuse.	Beneficial re-use of liquid & solid wastes from domestic, municipal, industrial & agricultural source. Hydrology & wastewater management. Soil health assessment Landuse impact assessment. Erosion / sediment control. Flooded soil management. Mine site rehabilitation. Development impacts on contaminant export.	0427 905 440	woodlots3@bigpond.com
Bannan	Christian	Mr	2017	CPSS	BAg(Hons), Adv Dipl Agr	South East Soil and Water	VIC	Passionate about soils & practical options for soil management based on field evidence and science.	Environmental and agricultural science	0439 341 265	christian@sesw.com.au
Barlow	Kirsten	Dr	2007	CPSS	PhD	Principal Scientist at Precision Agriculture	VIC		Hydrology and wastewater management, Soil fertility, Soil pollutants (assessment, management & amelioration), Soil chemistry, Soil physics (water and mechanics), Contaminant hydrology	0418 398 166	k.barlow@precisionagriculture.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Battam	Michael, Mick	Dr	2011	CPSS	PhD(Soil Sci), BScAg(Hons), Cert Build Contr Man, Cert Urban Irr, Certified Irrigation Agronomist, Certified Irrigation Designer (Drip), Licensed Irrigation Plumber	AgEnviro Solutions Pty Ltd	NSW	Mick is a soil and drainage specialist having lectured at TAFE and university. His expertise is in turf and gardens and he wrote the Landscape Assessment Program, the Sydney Water Love Your Garden Program and much of the Best Practice Guidelines for open space in Sydney. Mick has written garden/lawn watering calculators for Sydney/ACT and more recently he has developed an iPhone application for use by park managers in determining the carrying capacity of sports fields. He also conducts training days in water savings, sport field management and resource recovery. In addition to conducting water saving audits on farms Mick has scheduled irrigation and provided advice for >200 sports fields, 20 golf courses, streetscapes and >40 parks including Hyde Park, Auburn and Mount Annan Botanical Gardens and Fitzroy Gardens. He has written models that have been used to estimate rainwater tank and pool cover savings for 22,000 houses. Mick wrote a death model that can predict the performance of plant/turf receiving less than optimal levels of irrigation which has been used to estimate the impact of water restrictions and to develop techniques for drought mitigation.	Sports fields, golf courses and gardens, Water balance modelling, Resource recovery and education, Effluent, storm water and urban salinity, Irrigation, drainage and turf, Water saving (farms, parks, residential),	0425 363 161	mick@agenviro.com
Baumgartl	Thomas	Prof	2017	CPSS	PhD(Soil Science), Habilitation	Federation University Australia, Dept Engineering	VIC	Thomas is Director of the Geotechnical and Hydrogeological Engineering Research Group (GHERG) at Federation University of Australia, Churchill, VIC. He has a PhD in Soil Science, Univ of Bayreuth, Germany (1990): Stress distribution in differently textured soils and its meaning for soil stability (in German). He completed his Habilitation, Univ of Kiel (2001): Coupling of mechanical and hydrological state functions of soil for the determination and modelling of tensile stress and volume change in porous media (in German).	Soil physics, soil mechanics, revegetation of mined landscapes, landscape hydrology, soil science education & training.	(03) 5122 6112; mob 0421 940 598	t.baumgartl@federation.edu.au
Bell	Richard	Prof	2002	CPSS	PhD	Murdoch University, Agricultural Science Discipline, College of Science Health Engineering and Education	WA	I specialise in Soil Fertility and Land Management with lecturing and research experience in Australia, Bangladesh, Brazil, Cambodia, China, India, Indonesia, Fiji, Laos, Sri Lanka, Thailand and Vietnam. My interests are in plant nutrition, soil management, management of sandy soils, diagnosis and correction of mineral disorders of crops, plant adaption to mineral stress, nutrient cycling, rehabilitation of degraded land, conservation agriculture, dryland salinity, catchment hydrology and management, sustainable land use, and agricultural research for development. Much of my published work concerns the mineral nutrition of crops and plants, and rehabilitation of degraded land. I participate in the Soil CRC. My reseach is mostly supported by GRDC and ACIAR. I have supervised to completion 34 PhD and 21 Masters' students.	Soil management and conservation, Soil fertility, Soil testing and nutrient management, fertilizer advice, Plant nutrition, Soil acidity, salinity, sodicity (assessment, management, amelioration)	(08) 9360 2370 or mob 0405 131 429	R.Bell@murdoch.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Bennett	John McLean	A/Prof	2011	CPSS	PhD (Soil Science) Univ of Sydney, BScRes&EnvMgmt(Hons) ANU	University of Southern Queensland	QLD	A/Prof John McLean Bennett is a Principal Research Fellow (Soil Science) and Acting Director of the Centre for Sustainable Agriculture, Univ. Southern Qld, and is Research Program Leader of the Integrated Soil Systems program. He is also a lecturer in soil science and natural resource management within the Faculty of Engineering and Surveying at USQ. John underwent training in 2011 to allow access and operation on mine-sites, where he is currently involved with research into soil structural response to, and management strategies for, the use of amended coal seam gas water. His career in soil science has been focussed on soil structural condition, particularly sodicity and salinity in the irrigated and dryland cropping regions of NSW. Current research is focussed on management of industrial by-product water, specifically coal seam gas water and intensive livestock effluents. He is Immediate Past President of SSA.	Assessment, management and amelioration of Soil structure, Soil salinity and sodicity, Effects of waste materials on soil; Soil-water interactions (solute movement, solute loading, permeability); Soil fertility/health/quality	0438 683 426	John.Bennett@usq.edu.au
Biggs	Andrew	Mr	2011	CPSS-AusSS	PhD, MAgSc, BAgSc	Department of Environment and Resource Management	QLD	Dr Andrew Biggs is a Senior Soil Scientist with Qld Dept of Natural Resources, Mines and Energy. He has 25 y experience in soil survey and land evaluation throughout Qld. His PhD was focussed on catchment scale salt balances in the Qld Murray-Darling Basin and he has spent many years working in the field of salinity and shallow hydrogeology. Andrew has a strong interest in soil survey data quality and was a key member of the team that developed the Qld Govt soil survey database. He also has a strong focus on the ecological applications of soil data through involvement in a number of projects concerned with flora and fauna distribution. Andrew is a past-president of the Qld Branch of the Society and has been actively involved in running soil refresher training workshops for the Branch for more than a decade. He is an Honorary Senior Fellow in the School of Agriculture and Food Science, Univ. of Qld.	Pedology, soil classification, soil survey, land-use planning, training/education, salinity, hydrogeology, data management	(07) 4688 1062	andrew.biggs@derm.qld.gov.au
Botta	Catherine	Mrs	2009	CPSS	MAg(Soil Man Cons)		VIC	Catherine Botta is a private consultant based at Benalla, VIC.	Soil organic matter, Communication of basic soil science concepts, Soil acidity, Soil salinity, Training advice and consultation services, Soil management and conservation		cbotta@bigpond.com
Bradley	Kylie	Dr	2017	CPSS	PhD, soil chemistry, BSc(Hons)	CDM Smith	QLD		Contaminated site assessment and assessment of soils for reuse & disposal; soil chemistry	0405 382 958	bradleykj2@cdmsmith.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Brown	Katharine	Dr	2017	CPSS	PhD		NSW		Soil survey and land evaluation, Land resource assessment and management, Rehabilitation of degraded land, Mine rehabilitation for approvals, closures and relinquishment, Project management and technical review; Communication, education and teaching.	0400 197 312	KLBrown@Ground-Ed.com.au
Bryce	Alisa M	Miss	2009	CPSS	MPhil ESD, BSc(Ag)		NSW	Alisa Bryce graduated from the University of Sydney in 2007 with a BScAgr. She has experience in Erosion and Sediment Control, Stormwater Management Plans and Environmental Planning. She also conducts both environmental assessments and soil analysis of public open space, including water balance modelling.	Soil surveys for irrigation and planning, Soil management of public open space, Soil classification and pedology, turf growth, soil conservation, soil survey and classification, wastewater management, hydrogeology	0468 606 226	alisambryce@gmail.com
Buchanan	Simon	Mr	2011	CPSS	MPhil(Disturbed Land Rehab), BLandResSci(Hons), CPESC	Landloch (Newcastle)	NSW	Simon is a practicing land resource scientist with close to 20 y practice in construction, project management, and land resource management. Over this period he has gained a wide range of experience in erosion and sediment control and the stabilisation, rehabilitation, and remediation of disturbed land. He has worked on urban developments, linear infrastructure projects (such as roads, rail, utilities and CSG), mine sites and gas fields across Qld, NSW and NT. Since 2011 Simon has been a Certified Professional Soil Scientist (CPSS) and a Certified Professional in Erosion and Sediment Control (CPESC). He was a past President of the SSA-Qld Branch and is currently the 'Hunter' Representative for SSA-NSW Branch.	Soil assessments for EISs, environmental authorities, and development approvals, including strategic cropping land, land suitability, and good quality agricultural land, acid sulphate soils, BSAL, erosion and sediment control, and disturbed land rehabilitation	0421 656 288	buchanan@landloch.com.au
Butler	Andrew	Dr	2017	CPSS	PhD Soil Sc, BSc Soil Sci(Hons)	NRA Environmental Consultants	QLD	Andrew has over 26 y experience as a soil and environmental scientist working in consultancy, R&D and land resource development in Australia, PNG, SE Asia, Europe and the Middle East. Andrew's main areas of work include mine site rehabilitation (EIS, soil resource assessments at greenfield sites, development of rehabilitation strategies, nomination of closure criteria and rehabilitation monitoring), effluent irrigation (feasibility and impact assessment) and soil and water quality monitoring and assessment. His focus is on applying his knowledge to providing practical solutions across a diverse range of environmental problems	Mine site rehabilitation/closure, soil erosion hazard assessment and management, Soil resource assessment and stripping advice, Effluent disposal by land irrigation, Soil quality (fertility, sodicity, salinity), EISs, Soil and water chemistry	(07) 4034 5300	andrew@natres.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Butterly	Clayton	Dr	2016	CPSS	PhD Soil Sc, BSc(Hons)	Univ. Melboure, Fac. Veterinary & Agricultural Sci	VIC	Clayton is a Lecturer in Soil Science in the School of Agriculture and Food, Faculty of Veterinary and Agricultural Sciences, Univ of Melbourne. His research interests include soil organic matter and nutrient cycling, soil acidity, soil-plant interactions and climate change in Agricultural systems. He is particularly interested in expanding research activity and developing new linkages in the areas of nutrient re-use and recycling, agricultural waste management, soil contamination/remediation and sustainability. Clayton has a BSc (Hons) from Murdoch Univ. and PhD in Soil Science from Univ. Adelaide. He was awarded the KP Barley Prize (Faculty of Science) and the C G Stephens Award (Soil Science	Soil-Plant Interactions, Soil Carbon, Nutrient Cycling, Soil Acidity, Sustainability, Agricultural Wastre Management	(03) 90354228	clayton.butterly@unimelb.edu.au
Cartwright	Louise	Dr	2004	CPSS-CSAM	PhD, BAgSc(Hons)	PSK Environmental Pty Ltd	QLD	Louise Cartwright is a Director of PSK Environmental, a company dedicated to delivering innovative, science-based and affordable solutions to complex environmental challenges. She specialises in providing teams with technical insights, program timeframes, sharing lessons learnt and understandings on how contamination impacts the end value of assets. Since 2004 Louise has been recognised as a Certified Professional Soil Scientist (CPSS) and in 2018 obtained the specialised competency Contaminated Site Assessment and Management (CSAM). She is a past President of the SSA-Qld Branch, past CPSS Board member and past ALGA-Qld Chair.	Applied research expertise, Training, advice & consultation services, Hydrology and wastewater management, soil pollutants, soil acidity, soil salinity and sodicity; Chemistry and risk assessment of organic pollutants, Contaminant hydrogeology, Contaminated land/soils/sites (assessment, management, amelioration), Acid sulfate soils (assessment, management, amelioration), Soil and groundwater investigations, Hazardous materials assessment, Design and implementation of	0447 074 334	lcartwright@pskenviro.com
Cattle	Stephen	A/Prof	2006	CPSS	PhD Soil Sc, BScAg(Hons)	University of Sydney, Faculty of Agriculture and Environment; Centre for Carbon, Water and Food	NSW	After completing his PhD Stephen did a postdoc in Dept of Agricultural Chemistry & Soil Science at Univ Sydney and accepted a lectureship in soil science there in 1997. He has chaired Teaching and Learning Committees, been Associate Dean for Undergraduate Studies, and is now A/Dean(Teaching & Learning) in the Faculty of AFNR. He has taught in or coordinated most of undergraduate soil science units since 1997. Stephen has been a member of Soil Science Australia since 1991 and served as Federal President (2007 and 2008). He also served as chair of the IUSS Commission for Soil Education and Public Awareness.	Soil science education, soil formation, soil judging, soil formation on wind-blown dust, soil structure, Vertosols	(02) 8627 1142	stephen.cattle@sydney.edu.au
Cattle	Julie	Dr	2009	CPSS	PhD, BSc(Hons)	Dept Envmt & Climate Change, Waste Reform & Impl'n Unit, Waste Mgmt Section	NSW	Dr Julie Cattle is a Senior Policy Officer in the Waste Reform, Levy and Data Unit, Department of Environment, Climate Change and Water, NSW.	Hydrology and wastewater management, Soil management and conservation, Soil chemistry, Effects of waste materials on soils, Environmental effects of hazardous chemicals in soils (especially metals), Soil chemistry and fertility, Soil analysis.	(02) 9995 5623	Julie.Cattle@environment.nsw.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Chapman	Greg	Mr	1999	CPSS	BSc (Soils, Ecology Land Mgmt)	Land and Soil Capability	NSW	Part time soil consultant (retired); Member NSW Soils Knowledge Network; Ran NSW Govt Soil Survey (Soil Landscape Mapping and other programs) for 16 y; Led NSW Govt Soil Condition and Land Management within Capability monitoring, evaluation and reporting programs; Senior author of Sydney Soil Landscapes (first in series); Regional soils specialist, laboratory manager and urban area soil investigator for Soil Conservation Service Hunter and Metro regions	Soil survey for irrigation/ landuse planning, Landscape analysis, Mapping, Soil classification, Soil program mgmt, Land evaluation, Land and soil capability assessment, Property planning, Soil condition monitoring, Sustainable land mgmt, Assessment of biophysical strategic agricultural land (BSAL), Sampling and soil test interpretation, Soil conservation and land rehabilitation, Modelling and scenario analysis, Expert witness.	0450 453 700	LandAndSoilCapability@outlook.com
Chen	Deli	Prof	2017	CPSS	BScHons(Chem) MSc(Soil Sc), PhD (Soil Sc)	Univ Melbourne	VIC	Prof Chen is currently Discipline Leader for "Soil Water, Nutrients & Greenhouse Gases" and Head, Crop & Soil Science, Faculty of Vet & Agric Sciences, Univ Melbourne. He chaired the International Nitrogen Conference held in Melbourne in 2016, he is the Chief Scientific Adviser for Incitec-Pivot Australia, and is on the Editorial Boards of Scientific Reports (Nature Group), Nutrient Cycling in Agroecosystems, Agricultural and Biological Engineering, and the Chinese Journal of Agricultural Ecology. He was also appointed to the Steering Committee for the Australian Government's Carbon Farming Initiative.	Agricultural pollution (nitrate leaching to ground water), emissions from land systems, especially N2O emissions from land sources, greenhouse gas (N2O and CH4), soil nitrogen chemistry, water and nutrient dynamics in soil-plant systems	(03) 8344 8148, mob. 0417 508 887	delichen@unimelb.edu.au
Clark	Gary	Dr		CPSS	PhD Soil Sc	LaTrobe University	VIC		Soil Science Education and Training	0417 132 078	g.clark@latrobe.edu.au
Cogle	Alexander L	Dr	2002	CPSS			ACT		Rural property planning, Land capability classification, Hydrology and wastewater management, Soil management and conservation, Integrated catchment processes and modelling, Land rehabilitation (legislation, guidelines), Assessment, management and amelioration of wind and water erosion, soil acidity, salinity, sodicity	0437 321 267	ruscog@ozemail.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Coventry	Ross	Dr	2002	CPSS	PhD (Geomorph + Soil Sc)	Soil Horizons Pty Ltd	QLD	More than 45 y experience working with soils in North & Central Qld on practical, industry-related activities to develop soil and land management strategies and training packages for the tropics, including: agricultural, horticultural, construction, and local government industries; rehabilitation of coal seam gas production facilities and mine sites; soil amendments for improved plant production in the humid and semiarid tropics; soil erosion and sediment control in urban, rural, and industrial areas; systems for mapping, interpreting, and managing paddock-scale soil variability; soil management planning; land suitability and strategic cropping land assessment. Author or co-author of 62 refereed research papers and > 200 confidential soil technical reports, mainly for commercial clients. Past member Australian Research Council (Earth Sciences Large Grant Panel); past member editorial boards for Australian Journal of Soil Research (Chair 1990-1993), Catena, and Geoderma. Awarded inaugural J.K. Taylor O.B.E. Gold Medal in 1984 by Soil Science Australia 'for excellence in both soil research and its communication'.	Training, advice, and consultation in urban, rural, and industrial soil management; soil erosion and sediment control planning and training; site surveys and soil mapping; soil testing; nutrient management, fertiliser, and soil ameliorant advice; pedology; soil-landscape relationships.	0412 346 913	soilhorizons@outlook.com.au
Crawford	Mark	Mr	2016	CPSS	MScAg, B Land & Water Sc	Department Natural Resources and Mines	QLD	Mark Crawford is a Land Resource Officer with the Department of Natural Resources and Mines based at Toowoomba Qld. His areas of specialization include soil classification, GIS, ArcGIS, digital mapping, Advanced Soil Science. He completed his Masters Thesis on Fuzzy modelling of soil suitability in relation to crop yield at the farm scale.	Soil classification, GIS, ArcGIS, digital mapping, Advanced soil science, Communications, Hydrology, Environmental law and ethics	(07) 4529 1430	Mark.Crawford@dnrme.qld.gov.au
Cumming	John Paul	Dr	2004	CPSS	PhD Env Soil Chem, BAgSc(Hons)	Geo-Environmental Solutions PL	TAS	John Paul Cumming is a Director of Geo-Environmental Solutions, a company dedicated to delivering innovative, science-based and affordable solutions to complex environmental challenges.	Soil survey and classification, Training advice and consultation, Soil management and conservation, Environmental soil chemistry, Soil physics, Pedology	0413 541 531	jcumming@geosolutions.net.au
Currie	Dougal	Dr	2017	CPSS	PhD Soil Physics, BSc(Hons)	CDM Smith	SA		Environmental (soil) physics and landscape hydrology, Root zone drainage, Soil quality	0402 936 117	curriedr@cdmsmith.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Dang	Yash Pal	Dr	2016	CPSS	PhD Soil Chem Plant Nut, MSc Soil Sc, BSc Soil & Water Mgmt, Grad Cert Geomatic Studies	University of Queensland	QLD	Dr Yash Dang is Senior Research Fellow at Univ. of Qld and has extensive experience in soil and nutrient management. He is currently leading a national project on costs of edaphic stresses to the Australian grains industry. He is also leading the northern grains region in national GRDC projects to identify and manage soil constraints, conservation agriculture, strategic tillage and sustainable land management practices. While his research spans in the areas of crop production, much of his research focuses on soil constraints. He has also coordinated soil carbon and soil quality projects in Qld cropping soils. Yash has great faith in engagement with farmers to develop collaborative, participatory research project to address soil health issues. He also has strong interest in proximal and remote sensing to identify constraints at farm and national scales for site-specific soil and nutrient management.	Soil Constraints, Strategic tillage, Conservation agriculture, Precision agriculture	0427 602 099	y.dang@uq.edu.au
Dohle	Lynette	Ms	2017	CPSS	MAgSc(Soil Conserv), BAgrSc(Hons)	Primary Industries and Regions South Australia	SA	Lyn Dohle works for PIRSA as a Senior Land Management Consultant located at the Kingscote Office. She provides expert technical advice and support in soil, water and vegetation management with an emphasis on sustaining both primary industries and enhancing natural resources. She has worked in this area for over 25 y and provides land management consultancy services to the State Government, Natural Resource Management Boards, farming systems groups and individuals. Lyn was awarded a Certificate of Merit for the McKell Medal in 2010 in recognition of her skills and expertise in land management. The McKell Medal is the most prestigious Australian award for excellence and achievement in natural resource management.	Soil conservation, Land management planning, Soil acidity	0419 846 204	lyn.dohle@sa.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Doyle	Richard	Dr	2008	CPSS	PhD, MSc, BSc(Hons)	University of Tasmania, School of Agricultural Sciences	TAS	Richard Doyle is a Senior Lecturer in Soil Science and is the Deputy Head of the School of Agricultural Science, Univ. Tasmania (UTAS). He did his undergraduate, Honours and Master studies in Wellington, NZ in the late 1980's and recently obtained his PhD in soil science from UTAS (2005). He has over 20 y of research and teaching experience in universities and private organisations in NZ and Australia. Both his Masters and Doctoral theses were undertaken on soil erosion and sedimentation in a geo-archaeological project in northern Greece. He first came to Australia in 1990 as one of the Group Leaders on Expedition Finnigan in north Qld with the Australian and NZ Scientific Exploring Society (ANZES) undertaking soil mapping, geological mapping and youth training. In 1991 he moved to Tasmania to take up the position of soil surveyor with the Tasmanian Department of Primary Industry, Launceston, undertaking soil mapping and land capability assessment. In 1994, Richard became a lecturer in soil science at the UTAS, specialising in soil formation, land suitability assessment and land degradation. Within the School of Agricultural Science he has supervised or co-supervised to completion 16 Honours projects, 2 Masters projects and 7 Doctoral projects. In March 2004, Richard was awarded a Rotary International University Teacher Scholarship to teach for one semester at Univ. of Namibia in Africa. He is currently involved in research into Tasmania's rural tree issues (NHT), land use change impacts (Landscape Logic), soil carbon changes (DAFF), viticultural soils (GWRDC), PNG vegetable development (ACIAR) and soil-herbicide interactions (DEH). He currently co-supervises 8 postgraduate students and 1 Honours student. Richard was SSA's Inaugural President, Tasmanian Branch.	Soil mapping and classification, Land evaluation, Soil chemistry, Waste water re-use on soils, Geo-archeology and geochronology, Soil genesis and landscape history, Soil survey and classification, Research, Hydrology and wastewater management, Soil management and conservation	0419 112 264	Richard.Doyle@utas.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Dudgeon	Stephen	Mr	2011	CPSS	BAppSc, CPESC accreditation	O2 Environment + Engineering	QLD	<p>Steve Dudgeon is a director with the O2 environment + engineering consulting company. Steve has over 20 y soil and water management and assessment experience. His specialist skills lie in erosion and sediment control, soil and water management, waterway health assessment and rehabilitation, water quality and WSUD.</p> <p>Steve has an excellent understanding of soil and water management, assessment principles, processes and practices and is highly experienced in the design of complex assessment programs as well as physical, chemical and biological sampling techniques.</p> <p>He has a sound knowledge of landscape geomorphology, fluvial geomorphology and limnological processes (physical, chemical and biological) including a very high level of experience in data interpretation and report writing. Steve also has a high level of experience in project and contract management.</p>	Catchment management planning, Waterway management, assessment and rehabilitation, Fluvial geomorphology, Soil and water management planning, Erosion and sediment control planning and advice (CPESC accredited), Water quality and sediment modelling	0405 460 202	steve.dudgeon@o-2.com.au
Edis	Robert	A/Prof	2011	CPSS	PhD		VIC		Soil chemistry	0447 447 468	robertedis@bigpond.com
Eggleston	Grant	Mr	2017	CPSS	BSc(Geol), MAppSc(Soils), Mhydrogeology	ADE Consulting Group (VIC) Pty	VIC			0416 023 725	egglestongrant@gmail.com
Enman	Brett	Mr	2010	CPSS	BAppSc.Geog(Hons)	Earthwise Environmental Consultants	NSW	<p>I founded Earthwise Environmental Consultants in 2014. I have over ten y experience as a professional soil scientist. My services and projects are described on the company website: www.earthwiseenvironmental.com.au. I initially gained extensive experience with soil and groundwater chemistry while working within the soils section of the NSW Department of Primary Industries. I was involved in projects on beneficial reuse of wastewater derived from food processing, re-use of household separated organics, acid sulfate soils, and greenhouse gas emissions. I provide advice to federal, state and local governments on issues relating to soil and groundwater. I also possess the rare skill of constructing soil</p>	<p>Site and soil assessments for on-site wastewater disposal (domestic and commercial)</p> <p>Acid Sulfate Soil (ASS) investigations and ASS management plans</p> <p>Preliminary and Detailed site investigations for Contaminated lands</p> <p>Review of Environmental Factors</p> <p>Salinity investigations</p> <p>Soil remediation</p> <p>Soil/waste classification in accordance with</p>	0421 251 064	brett@earthwiseenvironmental.com.au
Field	Damien	A/Prof	2017	CPSS	PhD Soil Sc, BScAg(Hons), MPhil (Higher Ed)	Univ. Sydney, Fac. Agriculture & Environment; Centre for Carbon, Water & Food	NSW	<p>I am interested in pursuing research to the benefit of agriculture and the surrounding ecosystem. I believe this is possible by integrating good science that is also sympathetic to the values, attitudes and actions of the community that depend on a healthy agrarian society. I also value education and believe that the link between good research and teaching can be achieved by structuring an environment where students can actively engage with real world issues and problems.</p>	Soil Science Education and Training, Soil structure	(02) 8627 1138	damien.field@sydney.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Fitzpatrick	Robert	Prof	2007	CPSS	PhD (Pedology & Mineralogy), MSc (Agric, Pedology), BSc (Hons: Chemistry & Soil Sci), Mine Assayer's Cert. of Competency Pt A, National Dip Chem Technicians Pt 1	CSIRO Land & Water, and University of Adelaide	SA	Rob is Director of Acid Sulfate Soils Centre and Professorial Research Fellow at Univ. Adelaide. He is also Director of Centre for Australian Forensic Soil Science, which he established in 2003 when he worked in CSIRO as a Chief Research Scientist and is currently a Post Retirement Fellow. He has > 45 y experience leading major multi-disciplinary research projects and has conducted over 500 specialised soil-landscape investigations and surveys, covering a wide range of worldwide regions. He has also co-edited 30 books/monographs/manuals and is author of over 950 scientific publications. Rob was elected Fellow of the Australian Academy of Technological Sciences and Engineering (FTSE) in 2008. He is also a Fellow of the Soil Science Society of America, British Society of Soil Science and Soil Science Society of Southern Africa. He is Vice-Chair of the International Union of Geological Sciences (IUGS) Initiative on Forensic Geology. Awards for outstanding contributions to science: JA Prescott Medal from Soil Science Australia, Sir Joseph Verco Medal from the Royal Society of SA, outstanding international contributions to Forensic Geology & Forensic Soil Science by International Union of Geological Sciences.	Interface between soil science (pedology), regolith science, mineralogy, biogeochemistry, forensic science, mineral exploration and climate change as applied to: (i) Landscape processes, (ii) Advanced techniques to characterize, map, monitor and manage soil-regolith systems and (iii) Criminal and environmental forensic techniques for soils and regolith change.	0408 824 215	rob.fitzpatrick@csiro.au
Fogarty	Peter	Mr	2000	CPSS		Soil & Land Conservation Consulting P/L	ACT	Soil management and conservation, Soil (and site) survey and classification for irrigation and land-use planning, Mapping, Land capability classification and rural property planning, Hydrology and wastewater treatment and management (on site), Pedology and soil classification, Wind and water erosion (assessment, management, amelioration)		0409 129 608	sicc@grapevine.com.au
Fox	Laurence	Mr	2016	CPSS-CSAM		Fox Environmental Consulting Pty Ltd	NSW	Consultations in mining, oil and gas, transport infrastructure and property projects for 23 y to provide clients with an in-depth understanding of the environmental conditions of their site; I am accredited with CPSS-CSAM and provide advice on remediation and environmental management. One of my key areas of expertise is the formation, identification and management of acid sulfate soils, rocks and associated acid drainage. I am a member of the National Committee for Acid Sulfate Soils, where I represent the interests of consultants. I enjoy working with clients and my team to bring an understanding of environmental and geological effects on construction and developing innovative remediation and environmental management solutions for long term project viability.	Contaminated Site Assessment and Management (CPSS-CSAM)	0420 961 259	laurie@foxenviro.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Galloway	Justin	Mr	2002	CPSS		Johns Environmental Pty Ltd	QLD	Justin is an experienced Soil Scientist with expertise in effluent reuse by land irrigation, soil and land resource mapping, pedology, salinity assessment and GIS systems. He has worked on preparing Development Applications, Land and Water Management Plans, Compiling environmental and irrigation management plans (EMP/IMPs) for abattoirs, councils, intensive animal and other industries. He also conducts environmental sampling (soil, effluent, groundwater etc.) and reports for various industries according to standard protocols and licensing conditions.	Effluent reuse by land irrigation, Soil surveys for irrigation and land-use planning, Training, advice & consultation services, Pedology, soil classification, Soil salinity/sodicity (assessment, management, amelioration), Geographic information systems (GIS)	0429 472 029	justin@johnsensv.com.au
Galloway	Justin	Mr	2002	CPSS		Johns Environmental Pty Ltd	QLD	Justin is an experienced Soil Scientist with expertise in effluent reuse by land irrigation, soil and land resource mapping, pedology, salinity assessment and GIS systems. He has worked on preparing Development Applications, Land and Water Management Plans, Compiling environmental and irrigation management plans (EMP/IMPs) for abattoirs, councils, intensive animal and other industries. He also conducts environmental sampling (soil, effluent, groundwater etc.) and reports for various industries according to standard protocols and licensing conditions.	Effluent reuse by land irrigation, Soil surveys for irrigation and land-use planning, Training, advice & consultation services, Pedology, soil classification, Soil salinity/sodicity (assessment, management, amelioration), Geographic information systems (GIS)	0429 472 029	justin@johnsensv.com.au
Giltrap	Patrick	Mr	2010	CPSS	BSc, RAB QSA Certified Environmental Auditor, Infrastructure Sustainability Accredited Professional (ISAP under ISCA)	CPB contractors	ACT	Patrick has 17 y experience in the environmental management industry. Originally he started out in the mining and resource sectors before specialising in the construction and infrastructure sector	Erosion and sediment control, Environmental impact assessment, Construction site management, Strategic planning, spoil management, Sustainability	0414 491 007	patgiltrap@gmail.com
Grant	Cameron	Dr	2005	CPSS	PhD soil physics, MSc soil physics, BScAg(Hons)	BG Horizons Pty Ltd	SA	Cameron has 40 y experience as a soil scientist in research, teaching and consulting in Australia, Canada and the UK, and was an academic at the University of Adelaide teaching soil and water management and conservation. Now retired from academia, he does laboratory and field research and consulting on soil water retention, movement and availability to plants. He is also interested in the mechanisms of self-mulching behaviour in clay soils and whether these can be manipulated to make the properties of cricket pitches more manageable, or at least more predictable. He is an Associate Editor for the journal "Soil Research", and was President of Soil Science Australia 2003-2005, Chair of the CPSS Board 2006-2008, and is currently the CPSS Administrator (until end of 2019).	Applied soil physics, plant available water, soil structure (assessment, management, amelioration), Training, advice and consultation services, Soils for cricket pitches.	0408 088 953	cameron.grant@adelaide.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Grant	John	Mr	2011	CPSS	BSc	Southern Cross University, School of Environmental Science & Mgmt - Lismore	NSW	John Grant has been describing soils in the field for 25 y. Initially in Tasmania, starting with the description of land systems and leading to the mapping of forest soils for government and private forestry organisations. Since then he has been involved in mapping and assessment of soils (particularly in relation to forestry) in NT, Qld and NSW. Special interest areas include the matching of forestry species with site and the assessment of productivity. John has also been involved in the assessment of landslide potential and other land degradation and amelioration issues. He is working on a PhD thesis to link forest plantation productivity with site and soil characteristics while also researching soil physical determinants of tree root growth. At the same time he enjoys the stimulation and interaction that comes with the teaching of soil and land related issues to undergraduate students. He delivers a 2nd/3rd-year unit on soils and one on land degradation and rehabilitation in the Dept of Environment & Science, Southern Cross Univ.	Education, Soil Mapping and Survey, Forest Plantation Productivity Prediction and Soil Management, Forestry Forest Soils, Soil Carbon Sequestration, Soil Degradation Assessment and Prevention,	0427 880 815	john.grant@scu.edu.au
Gray	Jonathan	Mr	2016	CPSS	PhD(Soil Sci), MPhil (Soil Sci), Grad Cert Nat Res, BSc(Hons)	NSW Office of Envirmt & Heritage, Ecosystem Mgmt Science	NSW	25 y experience in soil science and natural resource management with the NSW government. Main interests are the modelling of soil distribution across the landscape, and land evaluation generally.	Digital soil mapping, Pedology, Soil organic carbon, Soil and land assessment	(02) 9895 6519	jonathan.gray@environment.nsw.gov.au
Grover	Samantha	Dr	2016	CPSS	PhD Soil Science, BSc(Hons), BSc Chem, BA.	LaTrobe University, AgriBioScience	VIC	Greenhouse gas emissions from organic soils	Soil microbiology, Education and communication of soils	0458 197 540	s.grover@latrobe.edu.au
Grundy	Michael	Mr	2010	CPSS	BEcon, MAgrSc, BAgrSc(Hons)	Queensland Bioscience Precinct - St Lucia	QLD	Mr Mike Grundy has recently established the new Landscapes Systems and Trends Theme within the equally new Sustainable Agriculture flagship of CSIRO. Prior to establishing the new Landscapes Theme and leading the MASaLA Theme, Mr Grundy was the Theme Leader for Healthy Water Ecosystems within CSIRO's Water for a Healthy Country Flagship, which concentrated CSIRO's water ecosystem research skills on to the national high priority issues in the Great Barrier Reef catchments, south-east Qld, the Murray-Darling Basin and south-west WA.	Spatial Soil Science, Land Resource Assessment, Pedology, Intergrated Landscape Assessment, Spatial modelling	0419 718 058	Mike.Grundy@csiro.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Guppy	Christopher	Dr	2007	CPSS	PhD Soil Science	University of New England, School of Environmental and Rural Science	NSW	Dr Chris Guppy is currently A/Prof at Univ. New England and teaches undergraduate and postgraduate courses in soil science and agroecosystems. Recent projects include farm-scale mixed farming trials, sulfur and phosphorus fertiliser research, soil sodicity and plant nutrition and precision agriculture (GPS cattle tracking). Soil science training and experience was gained at Univ. Qld with Prof. Neal Menzies where he completed a PhD in phosphorus and organic matter interactions in highly weathered soils. Contact me for professional advice in any of the areas listed. I am happy to direct you to others who may be better able to assist in areas not listed.	Fertiliser research, Soil management and conservation, Soil fertility, Soil chemistry, Sodicity, Plant nutrition, Farming systems	0414 779 714	cguppy@une.edu.au
Harding	Andrew P	Mr	2017	CPSS	MAg(Soil Conservation), BAppScAg, Grad Dip Ag, Dipl Proj Mgmt, MBH, Dipl Mgmt	Rural Solutions SA	SA	Andrew is a Senior Consultant in Sustainable Agriculture with Rural Solutions SA	Project planning, development, management, evaluation and reporting. Technical expertise in soils/ soil conservation and sustainable land management particularly in soil nutrition, water erosion control, dryland salinity and soil acidity. Soil pH mapping, Sustainable farming systems, Facilitation and group dynamics, Market research: social survey skills.	0417 886 835	andrew.harding@sa.gov.au
Hardy	Scott	Mr	2000	CPSS		Whitsunday Shire Council	QLD		Soil management and conservation, Soil survey, classification and mapping, Land rehabilitation (legislation, guidelines), Rural property planning, Land capability classification, Wind and water erosion (assessment, management, amelioration), GIS	07 4945 0245	scott.hardy@whitsunday.qld.gov.au
Harms	Ben	Mr	2016	CPSS	MLandResSc, Grad Dip Land Rehab, Dip Ed, BForSc	Department of Science, Information Technology and Innovation	QLD	Ben Harms is a scientist with diverse skills in soils and natural resource management. He is particularly interested in the influence of landform, vegetation and land-management on soil properties and the spatial distribution of soil attributes. Ben has extensive experience in the collection, processing and synthesis of natural resource information from field description and sampling to complex database. GIS mapping and landscape modelling applications. Ben is internationally recognised for his knowledge and expertise in soil classification.	Land resource assessments, Soil classification, GIS mapping	(07) 3170 5635	ben.harms@dsiti.qld.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Harte	Adrian J.	Mr	2012	CPSS	MRuralSc, BScAg		NSW	Adrian Harte graduated from University of Sydney in 1974 with a BScAgr. He later undertook a work-based Masters at University of New England in 1993 on the impact of tillage practices on the structural stability of cracking clay soils in the northern NSW wheat belt, which was part of a long term inter-agency research collaboration called "the Northern No-Till Project". Between 1981 and 1990 Adrian completed early investigations on the impact of tillage history on soil structure, organic carbon and infiltration of Brigalow landscapes within the "Golden Triangle" (North Star/Croppa Creek, NW NSW). He completed soil surveys for the northern NSW (SCS NSW Technical Manual program, Urban and Rural Capability studies for clients). Between 1990 and 2004 Adrian managed regional service delivery within a range of Soil and Water Conservation agencies and coordinated the compilation of the (draft) NSW Soils Policy during 2008 to 2011. Adrian was Director Public Land Management with the NSW DPI Catchments and Lands, and Deputy Commissioner Soil Conservation Service NSW and is now a private consultant.	Soil survey and landscape mapping, Land capability assessment and land use planning, Soil conservation and land rehabilitation, Pedology, Land management impacts on soil structure and erodibility, Soil policy development	0437 663 309	adrian.harte@bigpond.com
Hazelton	Pam	Dr	1997	CPSS	PhD, Beng(Hons)	University of Technology Sydney, Faculty of Engineering, School of Infrastructure and the Environment	NSW	I have > 35 y experience in soil science, geomorphology and environmental management, gained from lecturing at 4 universities in Australia and 2 universities in Europe. I have been employed as a soil surveyor for the Conservation Service of NSW and Dept of Conservation and Land Management. At UTS I am a member of the Industry Based Geotechnical Research Group and I lecture in soil science and geomorphology in environmental engineering which includes environmental assessment, management and planning. I am also a consultant for UTS engineering especially in land use change assessment. I believe the expertise gained from studying and working in soils is not understood by many other professions and is undervalued by them. The CPSS programme is one of the avenues by which the expertise of a soil scientist can be promoted to the wider community in a professional manner.	Soil management and conservation, Pedology, soil survey for land use planning and management, soil vegetation, Multidisciplinary education curriculum development and coordination of workshops	(02) 9514 2661	pam.hazelton@uts.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Hollingsworth	Ian	Dr	2001	CPSS-AusSS	PhD	Horizon Environmental Soil Survey and Evaluation	NT		Soil management and conservation, Hydrology and wastewater management, Training, advice & consultation services, Site surveys, mapping and digital soil mapping, Soil survey and classification, Mine-site and landfill capping and landscape revegetation, Effluent disposal by land irrigation, Contaminated land/soil/site assessment, management and amelioration, Soil conservation and land rehabilitation legislation and guidelines.	0457 717 858	ian.hollingsworth@horizonesse.com
Howard	Evan J	Mr	2012	CPSS	BEng (Env)	Landloch Pty Ltd	WA		Erosion by wind and water, Land rehabilitation, Design of constructed landforms, Characterisation of soils and mineral wastes, Modeling long-term landform development, Water and solute transport modelling	0407 375 650	howardev@landloch.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Hulme	Patrick	Dr	2000	CPSS	PhD, BScAg (Hons) , Adv Cert Irrigation	Sustainable Soils Management	NSW	Dr Hulme has published 3 refereed journal papers, 14 papers for scientific and technical conferences, 23 extension articles, book chapters and booklets and hundreds of unpublished reports. His professional experience includes: Assessed potential permeability of more than 200 sites to be used for off-river water storages; Developed and applied system to assess likely seepage from irrigation reservoirs using a combination of EM (electromagnetic induction) survey and drilling of test holes. Modified this process to locate leaky areas along irrigation channels; Key member of team which prepared modernisation plans for 2 irrigation schemes and facilitated group decisions to restructure schemes that received \$47M of government funding; Assessed impact of several leaking channels and water storages. Advised on methods of reducing seepage and its impact; Conducted more than 200 soil surveys to assess suitability of soil for: rice, wine grapes, cotton, jojoba, olives, paulownias, almonds, and agroforestry application of treated sewage effluent, treated food factory effluent, treated abattoir effluent and coal mine drainage water, coal seam gas production water, irrigated crops, dryland crops; Provided expert input into soil surveys of three, 1:250,000 scale map sheets in northwestern NSW; Managed and provided expert input into preparation of more than 20 farm-scale irrigation and dryland farm management plans, one salinity management plan covering 100,000 ha; Developed whole farm water balance model for irrigators that forms basis of Watertrack, an award winning commercial program; Managed 3-y research project investigating management of drip irrigated cotton and 2-y project assessing viability of irrigation with raw coal-seam gas production water; Presented talks on soil measurement and management to farmers, students, advisors and scientists.; Calibrated EnviroSCAN, C-Probe, AquaSpy and neutron moisture meters in cracking clay soils in NSW, Qld and SA; Assessed physical sustainability of intensive farming systems in north-western Argentina, Ponape,	Irrigation, Soil physics, Soil survey for irrigation and land-use planning, Soil structure assesment, management and amelioration	(02) 6847 3367	pat.hulme@soilman.com.au
Imhof	Mark	Mr	2008	CPSS	BAppSc(NatRes)	Dept. Env & Primary Industries, Agriculture Group	VIC	Mark Imhof is the research manager-soil sciences in the future farming systems research division of the VIC Dept of Primary Industries	Victorian Resources Online, Soil classification and survey	0409 024 980	mark.imhof@ecodev.vic.gov.au
Islam	Arshad	Dr	2011	CPSS	PhD (Soil chemistry, microbiology fertility), MSc, BScAg(Hons)	Southern Cross Soil Testing	VIC	Dr Arshad Islam established Southern Cross Soil Testing.	Extensive experience in soil nitrogen (N) transformations, Strong laboratory analytical, computer and statistical skills, Experienced in literature reviews	0413 262 942	enquiries.soiltesting@gmail.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Itakura	Takashi	Dr	2006	CPSS- CSAM	PhD, BAppSc(Hons)	DNRME Qld	QLD	In addition to CPSS accreditation, he is a Chartered Professional Engineer (Environment). He obtained a BAppSc(Hons) at Univ Canberra (1995, with credits from Iwate Univ., Japan), then a PhD from Univ Sydney (2000). Dr Itakura specialises in: Assessment of clay barrier materials used for containing hazardous waste; Experimental and numerical assessment of the fate and transport of contaminants in the terrestrial environment. He joined ANSTO (Environment Division) in 1999 and was a member of the Environmental Radionuclide Pathway Project, investigating the physico-chemical behaviour of radionuclides in soils. In 2003, Dr Itakura began a consulting career and has since strengthened his commercial experience along with specialist knowledge to provide clients with advice in geoenvironmental engineering. His career highlights include: Designed and managed an experimental and numerical assessment of the transport of volatile organic compounds migrating through clayey soils at an industrial waste depot in NSW; Managed a project to assess the distribution and diffusion coefficients for ⁶⁰ Co and ¹³⁷ Cs using regolith materials in SA; Designed and managed a project to investigate the advective and diffusive transport of ¹³⁴ Cs, ⁶⁵ Cu and ⁸⁵ Zn in agricultural soils in Northern Territory; Designed and managed a multi-divisional program to analyse the nano-scale structure of a natural kaolinitic clay using the ultra small angle neutron scattering technique; Designed and management a project to assess and predict the extent of soil contamination with asbestos at an industrial site in NSW; Preparation of expert witness reports for contaminated sites with subsequent attendance in Court; Collaboration with Univ. Western Sydney to perform a 2-D numerical analysis of the fate and transport of benzene migrating from a former gasworks to an adjacent property in NSW.	Soil management and conservation, Hydrology and wastewater management, Contaminant hydrology, Contaminated land/soils/site assessment, management & amelioration), Soil physics (soil water, soil mechanics), Training, advice & consultation services, Soil survey and classification, site surveys and mapping, Acid sulphate soil assessment, management and amelioration	0436 813 968	takashi.itakura@dnrme.qld.gov.au
Jasonsmith	Julia	Dr	2016	CPSS	PhD, BAppSc(Hons), BSc	Murrang Earth Sciences Pty Ltd	ACT	Dr Julia Jasonsmith is Director of Murrang Earth Sciences. She is an Earth Scientist whose focus is centred on how chemicals move through ecosystems and the implications of chemical movements to the environment encompassing environmental chemistry, ecotoxicology, and catchment management. Julia applies her knowledge in a broad range fields, including agriculture, ecology, and contaminated lands. She has more than a decade's experience in consulting, research, and project management. Julia is driven to find optimal solutions which enhance ecosystem health and agricultural productivity.	Environmental science, Contaminated site assessment and assessment of soils for reuse & disposal, Environmental site assessment, Sustainable agriculture & agricultural technology, Soil & water chemistry, Soil, surface water & groundwater interactions, Research and development	0406 621 214	Julia.Jasonsmith@murrang.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Kaur	Navjot	Mrs	2016	CPSS	MSc(Agron), BScAg	AECOM	VIC	Environmental professional with > 10 y experience working with natural resources, including 3 y in analytical and physical testing of soils and groundwater and 10 y conducting environmental management works including Acid Sulfate Soils, on service stations, oil & gas, mining, commercial and industrial sites.	Contaminated sites assessment and remediation comprising planning, design and management of remedial programs, human health and environment risk mitigation; EIAs including soil and land classification, Identification and management of acid sulfate soils, sediment and erosion control design and implementation; Environmental compliance including EMP-development and implementation, environment approvals/ license documents; Project management, contractor administration, invoicing and supervision of junior staff and contractors; Water and waste management; Health and safety plans	0448 901 428	navjot.kaur@aecom.com
Kelder	Isaac	Mr	2019	CPSS	BSc (Climate & Env) + BScHons (Land & Water Mgmt)	Landloch Pty Ltd	WA	Isaac is a soil scientist and erosion modeller with a specialty in soil survey, land capability and suitability assessment in the mining sector. He has lead field programs for mapping and classification of soils and waste materials for sites ranging from the mining proposal stage through to mine closure, and also provides soils advice to a variety of industries including infrastructure, agriculture and water. Isaac is a specialist in erosion modeling to assess stability of natural landscapes and constructed landforms, including 3-D landform evolution models (e.g. SIBERIA) that assess the change in landform shape and erosional stability over long periods. He is also skilled in use of WEPP and RUSLE for assessment of 2-D slope stability, and he has conducted erosion modelling at the conceptual, pre-feasibility and feasibility levels of closure investigations for mine sites across Australia and internationally. Assessments range from whole-of-site to individual landforms, with results used to inform landform design.	Land capability and suitability assessments, Soil management and re-use strategies, Soil classification to ASC standards, Soil mapping, Mine closure planning, Fertility and agronomic assessments, Landform design for closure, Growth media assessment, Material characterisation, SIBERIA landform evolution modelling, CAESAR landform evolution modelling, WEPP erosion modelling, RUSLE erosion estimates	0427 843 685	kelder@landloch.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Kew	Geoff	Dr	2001	CPSS	PhD Soil Science	Kew Wetherby Soil Survey Pty Ltd	WA	<p>Geoff has > 25 y experience in soil survey and land evaluation for irrigated horticultural and agricultural developments in Australia for vineyards, olives, almonds, potatoes, tomatoes, bananas, mangoes and sandalwood developments. His PhD research investigated the strength, water retention and mineralogy of hostile hard regolith that remains after bauxite mining in the Darling Range of WA. He investigated the impact and fracturing of regolith following deep (1.5 m) mine pit rehabilitation ripping. While a Research Fellow at Univ of WA he investigated the long term effect of deep placed (50cm) agricultural lime in sandplain soils of the Western Australian wheatbelt. Key Skills include:</p> <ul style="list-style-type: none"> • soil survey and land evaluation for irrigated horticultural and agricultural developments; • land suitability and land capability assessments; • assessment of soil physical limitations to plant root growth and determination of readily and plant available waterholding capacity; • soil moisture monitoring, site selection, installation, interpretation based on soil profile description data; • scientific and technical report writing • extension of technical information to researchers, grower groups, students at seminars, workshops and field days; and • soil monolith preparation for education. 	Soil management and conservation, Soil survey and classification for irrigation and land-use planning, site surveys and mapping, pedology, Mine-site and land fill capping and landscape re-vegetation; Erosion by wind and water (assessment, management, amelioration); Soil conservation & land rehabilitation (legislation, guidelines)	0409 690 469	geoff@soilprofile.com.au
Kirchhof	Gunnar	Dr	2001	CPSS	PhD Soil Science	University of Queensland, School of Land & Food Sciences	QLD		Soil management and conservation, Soil physics, Soil survey and classification, Soil fertility, Basic research expertise, Tropical soils, Soil fertility	0413 394 163	gunnar@thinksoils.org
Knox	Oliver	Dr	2016	CPSS	PhD Soil Science, BSc(Hons)	University of New England, School of Agronomy and Soil Science	NSW	My interests are in cropping systems and how the plant, abiotic and biotic soil components interact. This means I have relatively broad interests that range from farm management decisions to the microscopic life that dwells in the soils and anything that helps to pull these together.	Soil microbiology	0490 045 326	oknox@une.edu.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Kookana	Rai	Dr	2017	CPSS	PhD (Soil Physics and Chemistry), MSc (Soil Science), BScAg(Hons)	CSIRO Land and Water	SA	Dr Kookana is a leading soil scientist with a focus on organic contaminants in the environment (soil and water). In particular, he has combined his expertise in soil physics with interests in organic chemistry and toxicology for contaminants in the environment. He has worked >25 y in CSIRO in Adelaide during which he has published hundreds of research papers, supervised and mentored numerous postgraduate students and postdoctoral fellows, convened major national and international conferences, and was recently recognised by Soil Science Australia with the award of the 2016 JA Prescott Medal. He has been editor/associate editor of multiple international soil science journals, including Soil Research. He is also a member of many national and international bodies responsible for measuring and setting guidelines on organic contamination and environmental ecotoxicology.	Soil organic pollutants, environmental chemistry, land application of organic wastewater	0408 859 536	rai.kookana@csiro.au
Kopittke	Gillian	Dr	2015	CPSS-CSAM	PhD, MPhil (Mining Eng), B Land Res Sci (Hons)	Profile Science Pty Ltd	QLD	Dr Kopittke has 12 y experience in environmental consulting with a focus on contaminated land and mining. Currently working as a Project Manager in a Remediation Management Team, Gillian concentrates on soil and groundwater assessment of petroleum hydrocarbon impacted sites. Dr Kopittke was the 2015/2016 President of SSA's Qld Branch and has also been an active participant with SSA and a member of the World Congress of Soil Science, Brisbane in 2010. She also led SSA's "Soils in Schools" program, which brings soil science to thousands of children across the country.	Remediation management; Contaminated land and mining; Soil and groundwater assessment of petroleum hydrocarbons impacted sites.	0447 733 991	grk80@hotmail.com
Lawrie	John	Mr	1997	CPSS		JW & JD Lawrie	NSW	For nearly 40 y John has been digging up the dirt on soils around the world. He graduated in Soil Science & Agronomy, Univ. New England in 1971. He mapped soils in western NSW in the 1970s, then pioneered mine reclamation in north Qld. He has also studied soils in Nepal, Israel, USA, and Malaysia. In 1986 he returned to the Soil Conservation Service to set up the NSW Soil Survey Unit, based in Wellington. In 1989 he became the first Property Planner in NSW, and in 1994, he became the Conservation Farming Specialist for the Central West. During this period he was very closely involved with the formation of the CW Conservation Farmers Association. More recently he was appointed the Coordinator of the Slopes for the CW CMA. He has lectured part time in Soil Management at Univ. Sydney (Orange) over many years and has extensive experience with practical on farm land management.	Training, advice and consultation, Soil management and conservation, Soil survey and classification, Soil fertility, Soil & landscape identification and mapping; Mine and disturbed-land rehabilitation, Property planning, Soil C sequestration.	0428 998 959	jlawrie3@bigpond.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Lawrie	Roy	Dr	2002	CPSS	PhD Soil Science		NSW		Soil management and conservation, Hydrology and wastewater management, Soil survey and classification, Soil fertility, Applied research expertise, Effluent disposal by land irrigation, Soil management in urban parks, Acid sulphate soil assessment & management, Soil testing and nutrient management, Soil survey for irrigation and land-use planning, Soil studies for archaeological investigations	(02) 4268 2578	lisalawrie@ozemail.com.au
Leake	Simon	Mr	2016	CPSS	BScAg	SESL	QLD	As the Managing Director and Principal Consultant at SESL Australia, Simon Leake established SESL in 1984 offering soil science and horticultural testing and advice. While working across all soil science related industries Simon's particular interest lies in urban soil science culminating in the publication of "Soils for Landscape Development", a book on soil specification in the design industry.	Urban soil science, and horticulture	(02) 9980 6554	simon@sesl.com.au
Loch	Robert	Dr	2002	CPSS	PhD Soil Science	Landloch Pty Ltd	QLD		Hydrology and wastewater management, Soil management and conservation, Soil fertility, Wind and water erosion assessment, management and amelioration, Mine-site land-fill capping and landscape re-vegetation, Soil acidity, salinity, sodicity, soil structure (assessment, management, amelioration), Effluent disposal by land irrigation, Soil testing and nutrient management.	0419 713 193	lochr@landloch.com.au
Macdonald	Bennett	Dr	2005	CPSS	PhD Soil Science	CSIRO Land and Water	ACT	Dr Bennett Macdonald is a researcher with CSIRO Land and Water, Canberra. His research focuses on greenhouse gas emissions (N and C) from agricultural soils.	Acid sulfate soil,s, Greenhouse gas emission from soils (C and N), Soil management and conservation, Hydrology and wastewater management, Integrated catchment processes and modelling	0419 624 712	ben.macdonald@csiro.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Macleod	Andrew	Mr	2005	CPSS		SEEC	NSW		Hydrology and wastewater management, Soil management and conservation, Soil survey and classification, Applied research expertise, Integrated catchment management and modelling, Assessment, management and amelioration of erosion by wind and water, soil acidity, salinity and sodicity, Site surveys and mapping, GIS, Hydrology (water and/or waste water management eg wetlands)	0414 993 969	amacleod@morsemcvey.com.au
Madafiglio	Gregory	Mr	2002	CPSS		Envirowest Consulting Pty Ltd	NSW		Soil management and conservation, Hydrology and wastewater (effluent) management, treatment and on-site disposal, Soil and site survey and classification for irrigation, Rural property planning and land capability classification, Contaminated land/soils/sites (assessment, management, amelioration)	(02) 6316 4954	greg@envirowest.net.au
Massie	John	Mr	2017	CPSS	BSc(Hons) Soil Science	Edge Group Pty Ltd	VIC	John has >17 y experience in the diagnosis and remediation of contaminated land. Project work has included both preliminary and detailed site investigations, quantitative health and ecological risk assessment as well as remediation of hydrocarbon, metal and pesticide contaminated soils. He gained valuable experience in many large-scale investigation and remediation projects on a variety of sites with complex legacies of historic contamination including those used for the production and refining of petroleum hydrocarbons (most notably Shellhaven in Essex, UK), retail petroleum sites, manufactured gas plants (MGPs), Ministry of Defence (MOD) facilities (organic, inorganic, radiological and explosive/chemical ordnance), mining facilities, landfill, power generation and transport facilities. He also has experience in a wide range of analytical methods commonly used for the analysis of ecological materials that he gained during his time as a postgraduate research assistant at the Macaulay Land Use Research Institute (MLURI), Aberdeen, UK and the University of Aberdeen, UK.	Contaminated land assessment and remediation, organic and inorganic soil contamination	0437 198 628	johnm@edgegroup.net.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Masters	Rodney	Mr	2002	CPSS		GSS Environmental	NSW	Rod Masters is Managing Director and Principal of GSS Environmental. He is a former District Manager of the NSW Soil Conservation Service and has 22 y experience in formulating erosion and sediment control plans, conducting land reclamation and revegetation programs, undertaking soil surveys, preparing water management plans and assessing environmental impact of mining, rural, industrial and urban developments. Having fulfilled the roles of extension officer, regulator, consultant & contractor, Rod is in the unique position of having an intimate knowledge and understanding of the soil & water industry from all perspectives. Rod has been recently engaged by the NSW Department of Environment & Conservation to prepare the Mines & Quarries Chapter of "Managing Urban Stormwater: Soils & Construction" (or the Blue Book as it is known in Government circles).	Soil survey and classification, Soil management and conservation, Erosion and sediment control, revegetation and mine rehabilitation	0417 287 265	masters@gssenvironmental.com
McBratney	Alexander	Prof	2007	CPSS	DSc, PhD, BSc(Hons) Soil Science	University of Sydney, Faculty of Agriculture and Environment; Centre for Carbon, Water and Food	NSW	After completing his PhD at Rothamsted Experimental Station, UK, Alex spent 7 y with CSIRO Division of Soils, Brisbane. He then joined University of Sydney in 1989 and is currently Pro-Dean of Faculty, Professor of Soil Science, and Director of the Australian Centre for Precision Agriculture. He is joint Editor-in-Chief of Geoderma and is heavily involved in the International Union of Soil Sciences and the global digital soil map project. Alex is a highly experienced research supervisor who has supervised 16 PhD students, published > 160 refereed scientific papers with an H-index of 31. He holds Discovery and Linkage grants from the Australian Research Council and several from the rural research and development corporations, most notably the Grains Research and Development Corporation.	Soil survey and classification, Applied research expertise, Basic research expertise, Soil C and climate change (C-sequestration in soils), Soil and farm database managemetrn (Precision agriculture), Digital terrain analysis, Site surveys, mapping and digital soil mapping, Pedology, soil classification, Soil physics (soil water, soil mechanics)	02 9351 3214	A.mcBratney@usyd.edu.au
McDonald	Declan	Mr	2015	CPSS	Grad Cert (Climate Change), MSustainAg (Soils), Grad Cert (Leisure Mgmt), BSc (Urban Hort), A/Dipl Hort (Nursery Mgmt)	SESL Australia	VIC	Declan McDonald is a soil specialist with > 30 y experience in soil and compost management in public and private employment. He has worked in VIC, TAS and NSW, servicing the amenity horticulture, nursery management and agricultural production industries. Declan takes a strong problem-solving approach to soil management with a view to identifying the principal constraints to production / growth and developing management strategies to suit the budgets and needs of clients. He has been involved in peer and technical reviews for VIC-EPA and industry bodies on issues as diverse as compost works approvals and optimum sand specifications for racing tracks. Declan is passionate about improving understanding and management of soils to improve sustainable outcomes for this precious resource.	Soil survey, Regenerative Agriculture, Compost manufacture and use, Organic amendment of soils, Soil carbon and climate change, Acid sulphate soils, Dispersive soils.	0407 871 391	Declan@sesl.com.au ; declanmcd@gmail.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
McEInea	Angus	Dr	2011	CPSS	PhD Soil Science	Qld Dept of Environment & Science, Chemistry Centre	QLD		Analytical and inorganic chemistry of soils	0428 750 920	angus.mcelnea@des.qld.gov.au
McKay	Colin	Mr	2008	CPSS-CSAM	BSc(Hons), Grad Dipl (IT)	WSP Environmental Pty Ltd	NSW	Colin McKay has >14 y broad-based consultancy experience and has developed skills in soil survey, methodology, characterisation and chemistry; groundwater investigation, hydrogeology and chemistry; soil degradation, contamination and salinity assessment; acid sulfate soil investigations and management; contaminated site remediation; and database design and data presentation.	Contaminated land and soil site investigation (assessment for contamination, environmental management, amelioration and remediation), Chemical contamination assessment and remediation (asbestos, diesel, petrol, heavy metals (lead, arsenic, chromium, mercury), landfill gas, tar, creosote, pesticides), Soil survey, Acid sulfate soils (assessment, management), Salinity investigation consultant, Health risk assessment Hydrogeology (groundwater), drilling and well installation, Waste classification, Expert witness, Database design and data presentation	0448 977 926	colin.mckay@wspgroup.com
McKenzie	David	Dr	1997	CPSS	PhD Soil Science	Soil Management Designs	NSW	David has been a private soil consultant since 1996. The services he provides are described on the company website: www.soilmgt.com.au . Previously, David carried out soil structure research with NSW Agriculture, University of Sydney, and University of New England. He has written > 40 peer-reviewed scientific papers dealing with agricultural soil assessment and management. Voluntary activities for the soil science community include: Chairman and member of the CPSS Accreditation Board, Soil Science Australia; Member of the CG Stephens Award Committee, SSA; Chairman of ISTRO Working Group F (Visual soil examination and evaluation). David is a specialist in the assessment, amelioration and protection of soil structure, with a focus on compaction and sodicity.	Training, advice & consultation services, Soil management and conservation, Soil survey and classification, Applied research expertise, Advice for agribusiness about soil risk assessment, BSAL assessments for mining companies and soil recommendations for rehabilitation, Expert witness for soil-related legal cases; Soil-related technical reviews for government agencies and farmer lobby groups; Development and application of soil management "decision support systems" for farmers and their advisers, with an emphasis on soil assessment for yield map interpretation	0458 497 574	david.mckenzie@soilmgt.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
McLaughlin	Michael	Prof	2002	CPSS	PhD Soil Chemistry, MAgSc, BSc(Hons)	University of Adelaide	SA	Dr Mike McLaughlin was a Chief Research Scientist in the Environmental Biogeochemistry program of CSIRO Land and Water. As well he was Team Leader of the Soil Nutrients and Contaminants Stream in CSIRO's Agricultural Sustainability Flagship. Other roles include: Professor of Soil Science in the School of Agriculture, Food & Wine at University of Adelaide); one of the five international scientists on the Metals Environmental Research Association's Ecotoxicity Technical Advisory Panel; President of the World Council of the Society of Environmental Toxicology and Chemistry. Dr McLaughlin also manages research related to the Infrared Soil Analysis Service, which uses mid-infrared (MIR) spectroscopy for the rapid non-destructive analysis of soil physical and chemical properties.	Soil management and conservation, Basic and applied research in soil fertilisers, Soil fertility, Biogeochemistry of nutrients and pollutants in soils, Environmental chemistry and toxicology, specifically the assessment and remediation of contaminated soils; Advanced techniques to measure and monitor nutrients and pollutants in the environment.	0409 693 906	michael.mclaughlin@adelaide.edu.au
McLeod	Malem	Dr	2005	CPSS	PhD Soil Science	NSW Department of Primary Industries, Tamworth Agricultural Institute	NSW		Soil management and conservation, Basic research expertise, Soil physics (soil water, soil mechanics), Assessment, management and amelioration of soil salinity, sodicity, soil structure, erosion by wind and water; Soil hydrology (root zone/vadose zone modelling of soil water balance).	0427 652 154	malem.mcleod@dpi.nsw.gov.au
McMaster	Jamie	Mr	2002	CPSS-AusSS	MAg, BApplSciAg	MAC Global Pty Ltd & Sustainable Liquid Technology Pty Ltd (Tas SLTEC Fertilizers)	VIC	Jamie McMaster is the Managing Director and Principal Environmental Consultant with MAC Global Pty Ltd. He specialises with biodiversity and sustainability research, sustainability footprint development, environmental management systems, agricultural, horticultural and irrigation consulting, training systems and sustainable business IT and multi media. Jamie is also Managing Director at SLTEC Fertilizers, a company employing 20+ people and manufacturing both conventional and organic fluid fertilizers.	Soil management and conservation, Training, advice & consultation services, Soil survey and classification, Soil fertility, Soil testing and nutrient management, fertiliser advice, Plant nutrition (crops, pasture, horticulture, forestry), Assessment, management and amelioration of soil pollutants and contaminated land and soil; Soil surveys for irrigation and land-use planning.	0407 317 288	jamie.mcmaster@macglobal.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Menzies	Neal	Prof	2006	CPSS	PhD, MAgST, BAgSc, Grad Cert Ed	University of Queensland, School of Land and Food Sciences	QLD	Neal Menzies has a passion for the environment, and has used his role as a teacher and research leader to bring others into this highly rewarding field. He believes that environmental scientists must go further than identifying where human activity is harming the environment, they must also deliver workable solutions to the problems. While his research spans a range of environmental chemistry issues, he considers himself primarily a soil scientist, and sees soil science as a central discipline in the solution of a broad range of problems. This is well reflected in the research projects he has been involved with, including projects in agricultural production, water quality, waste disposal, mined land rehabilitation, conservation biology, and even forensic science. Neal's main research interests are phyto-toxicity of metals, and in particular aluminium, surface charge chemistry, and the management of nutrients in tropical farming systems. Following his PhD at Univ. Qld he worked at the International Institute of Tropical Agriculture in Cameroon, then as an academic at Univ. Newcastle-upon-Tyne (UK), before returning to Australia to take a position at Univ. Qld. He is a well regarded teacher, and is an active researcher with a strong publication record.	Soil management and conservation, Basic research expertise, Soil management and conservation, Soil fertility, Soil chemistry, Plant nutrition (crops, pasture, horticulture, forestry), Assessment, management and amelioration of soil pollutants, contaminated land/soils/sites, soil acidity, soil salinity and sodicity; Mine-site land-fill capping and landscape re-vegetation.	0403 176 934	n.menzies@uq.edu.au
Mikkonen	Hannah	Mrs	2011	CPSS	BEnvSc(Hons)	CDM Smith	VIC	Senior Environmental Scientist	Metals and fluoride in soils and subsoils, background concentration of heavy metals in soils, Contaminated soils, Acid-sulphate soils	0417 119 609	hannah.georgina.mikko@gmail.com
Mitchell	Joshua (Josh)	Mr	2011	CPSS	BEnvSc	Core Consult	QLD	Josh is a senior environmental scientist and team leader of the environmental section for the Maroochydhore Office. Josh has 9 y experience working on environmental projects throughout Qld and Papua New Guinea.	,Acid sulfate Soil Assessments and Management Plans, Contamination Investigations including Stage 1 Preliminary Site Investigation and Site 2 Detailed Site Investigation	0408 984 011	jmitchell@golder.com.au
Morand	David	Dr	2014	CPSS	PhD (ped/geomorph), BScApplGeog(Hons), Adj Fellow GeoScience, Southern Cross Univ	NSW Office of Environment and Heritage	NSW	David Morand is a Senior Scientist, Land and Soil Assessment, with the Office of Environment and Heritage in Alstonville New South Wales. Previously he has worked on Soil Surveys of the Northern Emirates and the Emirate of Abu Dhabi.	Soil survey, Land evaluation, Aerial photograph interpretation, Soil landscape mapping of NE NSW, Acid sulphate soil risk mapping, BSAL,	0419 482 473	david.morand@environment.nsw.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Mosley	Luke	A/Prof	2017	CPSS	PhD, PhilDipSc, BSc	University of Adelaide	SA	I am a senior research fellow at Univ. Adelaide's Acid Sulfate Soil Centre, a multidisciplinary research group addressing acid sulfate soil issues of national and international significance. I also hold a visiting Scientist position with CSIRO Land and Water where I have strong collaborative links at the Waite Campus. I am interested in understanding and solving complex environmental problems across multi-disciplinary boundaries (water, soil, ecology). Recent research focuses on metal and acid-base chemistry of water and soil; acid sulfate soils; impacts of drought and climate change on water and soil quality; biogeochemistry of the River Murray, Lower Lakes and Coorong catchment; development of novel methods and instrumentation to measure pH and metals. Depending on current research responsibilities I am available to work on small or large consulting and contract research projects. Recently I have undertaken consultancies for SA-EPA, Murray-Darling Basin Authority, CSIRO, and Dept Environment, Water & Natural Resources (DEWNR).	Soil chemistry, Acid sulphate soils	0428 103 563	luke.mosley@adelaide.edu.au
Mulvey	Philip	Mr	1997	CPSS-CSAM	BScAg(Soil Sci)	Environmental & Earth Sciences PL	NSW	Phil Mulvey is the Principal Scientist at The Centre for Contaminant Geosciences and he lectures at a number of Universities throughout Australia. He also directs the research conducted at The Centre.	Applied research expertise, Training, advice & consultation services, Soil management and conservation, Soil chemistry and fertility, Soil testing and nutrient management, fertilizer advice, Chemistry and risk assessment of organic pollutants, Soil C and climate change (C-sequestration in soils)	(02) 9922 1777	pmulvey@environmentalearthsciences.com
Nash	David	Dr	2002	CPSS	PhD Soil Chemistry	Soil and Allied Services Pty Ltd	VIC	David Nash is a soil chemist and physicist who specialises in the processes responsible for generating the contaminants from agricultural production and processing that adversely affect downstream resources. David's published work has included the development of a contaminant tracing technology based on organic markers and applying the analytical chemistry and mathematical techniques, commonly termed "metabolomics", to investigating the processes responsible for phosphorus and nitrogen exports from agricultural systems, and potential mitigation measures. David has been at the forefront of incorporating these learnings into risk-based decision support tools (both quantitative and qualitative) using Bayesian Networks. David has received several awards for his work and his ability to present complex science in plain English.	Hydrology and wastewater management, Basic research expertise, Soil chemistry and fertility, Soil pollutants (assessment, management and amelioration), Effluent disposal by land irrigation, Soil physics (soil water, soil mechanics)	0428 245 199	SoilandAlliedServices@gmail.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Nielsen	Sven	Mr	2009	CPSS	BAgSc(Hons)	Strata - Geoscience & Environmental P/L	TAS	Sven Nielsen worked as a Geotechnical Environmental Consultant with SFM Soil Solutions, Hobart Tasmania (2006 to 2010). He joined the company in 2004 as a soil scientist after working as a Research Scientist at University of Tasmania (1998 to 2001). He completed a BAgSc(Hons) at UTAS (1997) and is undertaking a MEngSc (Hydrogeology) at UNSW. He has expertise in geotechnical engineering recommendations for construction according to the relevant industry codes, contaminated site assessment, remediation of contaminated sites, wastewater treatment, biosolids reuse projects, environmental management plans and hydrological investigation for contaminated sites.	Soil and Site Contamination and Remediation, Soil Engineering for Construction Projects, Soil Carbon-evaluation and sequestration, Surface and Groundwater Hydrology, Contaminated Site Assessment and Remediation, Effluent and Reuse Projects	0413 545 358	sven@strataconsulting.com.au
Oliver	Danielle	Ms	2002	CPSS	MAGSc, BAgSc(Hons)	CSIRO Land and Water	SA	Ms Oliver develops techniques to analyse organic contaminants in soil & water mgmt practices. She is a team leader in Trace Organics and Risk Assessment within the Environmental Biogeochemistry Research Program of CSIRO. She has extensive experience in organic analytical chemistry, mgmt of off-site transport of pesticides and environmental risk assessment of organic contaminants. She is currently involved in projects studying the processes of off-site transport of pesticides, sediment and nutrients from agricultural environments. She is an environmental chemist with 20 y expertise in organic analytical techniques for soils and water samples, management practices to minimise off-site transport of pesticides into waterways, application of risk assessment tools to assess likelihood of environmental impact of pesticides. In the last 10 y she has focused on organic contaminants, in particular the analysis of organic contaminants in soil and water and the study of the fate, behaviour and transport of organic contaminants in agricultural environments. She has written 24 peer-reviewed journal papers, 3 book chapters, 22 conference papers, 30 reports, including consultancies. She has 223 career citations with 3 papers exceeding 20 citations each.	Organic chemistry analytical techniques for soil and water samples, Management practices to minimise off-site transport of pesticides into waterways, Soil chemistry and risk assessment of organic pollutants, Contaminated land/soil/sites (assessment, management, amelioration).	(08) 8303 8434	danni.oliver@csiro.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Packer	Ian	Mr	2012	CPSS	BScAg (Hons)		NSW	19 y experience applied soils /agronomy research /extension on land, vegetation and water management (conservation farming in cropping and grazing). Main research includes 1) Conservation tillage and grazing soil management systems for dryland and irrigated agriculture to improve soil physical, chemical and biological properties for greater water use efficiency, 2) Soil moisture monitoring within catchments and water balance modelling for dryland salinity control, 3) Effects of pastures and grazing on soil physical properties to address soil structure and erosion problems from overstocking, 4) Effects of crops, pastures, tillage and grazing on soil water recharge. Ian also has 21 y experience in soil, vegetation and water management in urban soil conservation, including investment strategies, catchment action plans and CMAs. Ian has extensive policy knowledge and implementation for applied soil, vegetation and water management; Earthwork design and implementation on farming and grazing lands in central and southern tablelands and the Riverina, Central West and Hunter regions of NSW; Preparation of integrated property management plans for landholders in Evans Plains, Isis River and Reedy Creek; Field days and formal training events for accredited farm plans; Earthwork erosion control and land management programs for vegetation cover. Design, supervision and construction of masonry gully flumes, which the Soil Conservation Service subsequently used widely. Collection of data, preparing consultancy reports on erosion control and effluent disposal. Improving recommendations for revegetation of structural earthworks and gullied areas in highly erodible and infertile soils in the tablelands. Structural and revegetation techniques for open cut mines; Beach improvement programs on the central and southern NSW coast; Batter stabilisation and urban planning to minimise erosion; Farmer based investigations of resource sustainability and economic viability in Central West Region based on soil, water and vegetation management; Soils and soil	Soil pit description, Soil test interpretation, Land management, Landholder /community extension, National and international conference presentations; Computer and software skills; Writing skills for external funding applications, scientific papers and extension media; Practical agronomic, stock and machinery skills necessary; Farm planning, conservation farming, Landscape interpretation using soil and geological information, Classifying vegetation communities, Soil structure and the impacts on the landscape and natural resources.	0428 638 510	ian.packer@hotmail.com
Patterson	Robert (Bob)	Dr	2002	CPSS	PhD	Lanfax Laboratories	NSW	Dr Patterson provides soil survey and soil analysis for wastewater treatment and discharge to land, for remediation of degraded lands, to beneficial effluent reuse and disposal of wastewater from domestic dwellings. The consultancy is supported by a small independent research and commercial laboratory, specialising in soil, water and wastewater analysis and assessment. Proficiency tested with Australasian Soil and Plant Analysis Council. Specialist research in laundry products with respect to reuse of wastewater from households.	Waste water (treatment and management on site), Effluent re-use by land irrigation, Soil landscape analysis, Soil analysis and interpretation, Soil chemistry, Soil surveys for irrigation and land-use planning	0427 005 648	lanfaxlabs@bigpond.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Pointon	Shane	Mr	2013	CPSS	A/Dipl Sci, BSc	AMEC	NSW	Shane is a Senior Soil Scientist with >20 y experience in NRM. Shane has managed numerous research projects across a range of disciplines and has technical specialisations in soil science, including land resource assessment, soils mapping, and acid sulfate soils investigation and mapping. He has described, sampled and mapped soils throughout Qld, including extensive mapping of acid sulfate soils in south-east Qld.	Soil science. Land resource assessment. Soils mapping. Acid sulfate soils investigations and mapping.	0459 028 003	shane.pointon@amec.com
Powell	Bernard	Mr	2002	CPSS-AusSS	BScAg		QLD		Soil management and conservation, Soil survey and classification, Assessment, management and amelioration of soil acidity, salinity, sodicity, structure, acid sulphate soils; Site surveys and mapping, Pedology, soil classification, Soil surveys for irrigation and land-use planning	0409 390 916	kb.powell@bigpond.com
Rattray	Dan	Mr	2011	CPSS	MEng, BEng	Horizon Soil Science and Engineering	QLD	Dan Rattray is an experienced environmental engineer and has an extensive background in soil science, hydrology and land management, and has specialist skills in the area of soil water hydrology, erosion, salinity and water quality management. Dan is an experience soil scientist who has a Degree and Masters in Environmental Engineering, he is a Certified Professional Soil Scientist and has been a member of the Soil Science Society Australia since 2001.	Hydrology and water quality modelling, including feedlot effluent disposal management, pesticide fate in agricultural systems, salinity management. Soil survey and classification and land use planning. Irrigation development planning and management.	0428 918 128	dan.rattray@horizonsoil.com.au
Rees	David	Mr	2009	CPSS		Department of Primary Industries, Future Farming Systems Research Division	VIC	David has 40 y experience in soil and land description in VIC including land capability assessment. David's current interests lie in soil classification (esp. links between the Australian (ASC) and FAO/International (WRB) classifications). He has expertise in pedology and geomorphology and leads the Victorian Geomorphological Reference Group (VGRG), which debates and develops a geomorphological framework for land systems and ultimately regolith and soils. He is particularly keen to capture the corporate memory vital in a changing workplace where new techniques and modelling are being developed, but which need reality-checking. Data mining and quality control of soil data on a spatial basis is also an interest.	Soil classification, pedology, land capability assessment, soil classification, geomorphology	0437 561 080	David.Rees@depi.vic.gov.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Reichman	Suzanne	Dr	2017	CPSS	PhD, B Land Res Sci(Hons)	RMIT University, School of Engineering	VIC	Areas of research expertise include: Biogeochemistry of heavy metals and trace elements in the terrestrial environment. Soil contamination and remediation, mine-site rehabilitation, use of wastes as soil conditioners, phytoremediation and phytomining. Toxicity, bioavailability and rhizosphere processes in soil-plant systems and the potential for food-chain transfer of toxicants. Soil chemistry and plant nutrition. Research funding obtained from: Australian Research Council, HazWaste Fund, Brian Mason Scientific & Technical Trust, HASYLAB, Industry collaborators.	Soil bioremediation, phytoremediation, soil biology, soil chemistry, contaminated soils	0439 575 661	suzie.reichman@rmit.edu.au
Rengasamy	Pichu	Dr	2012	CPSS	PhD	University of Adelaide, School of Agriculture, Food & Wine	SA		Soil sodicity, soil chemistry, colloids, soil dispersion, soil management and conservation	(08) 8313 7418	pichu.rengasamy@adelaide.edu.au
Richards	Clayton	Mr	2011	CPSS	B. Nat (Hons)	Minesoils Pty Ltd	NSW	The majority of Clayton's 20 y professional career has been as an Environmental Consultant within the NSW and QLD mining industry. His focus has always been on providing specialist advice in the assessment, management and implementation of soil and rehabilitation related disciplines that face new and existing mining projects. Originally starting his career with Global Soil Systems back in 1999, Clayton has always thrived in providing practical advice given his extensive hands on experience with soil survey work, mine site rehabilitation, erosion and sedimentation control works, site auditing, and general environmental management within the mining and related industries. Clayton worked as a Senior and Principal Consultant with GSS Environmental and SLR Consulting for over 12 y providing technical specialist inputs into some of the most sensitive and controversial projects in NSW and QLD. In 2018 Clayton created Minesoils Pty Ltd, a specialist land and rehabilitation consulting firm aimed at providing Clients with down to earth, tailored, first class service in soil, agriculture and land rehabilitation.	Soil survey and land resource assessment, Land rehabilitation and mine closure planning; Erosion and sediment control, Agricultural impact assessments.	0408 474 248	clayton@minesoils.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Rohde	Timothy	Dr	2008	CPSS	PhD(Mining Engng), P/Grad Dipl Mined Land Rehab, BEnvSc(NatResSci)	SGM Environmental Pty Limited	QLD	Timothy is a scientist with 18 y environmental consulting experience in Australia and Indonesia. His work encompasses mining engineering, geotechnical engineering, unsaturated soil mechanics, soil science and geochemistry. Since 2004, he has specialised in mining waste characterisation including waste rock dumps, tailings storage facilities and heap leach piles. He also specialises in the closure and rehabilitation of waste rock dumps, tailings storage facilities and heap leach piles and is uniquely placed not only understanding geochemistry of these structures but also design and closure to limit / mitigate environmental issues that these mine domains can produce.	Unsaturated soil mechanics, Instrumentation, Physical characterisation, Modelling, <i>In situ</i> testing	0488 111 722	trohde@sgmenvironmental.com
Salt	Melissa	Dr	2002	CPSS	BSc(Agr), PhD EnvEngng, Fellow Soil Science Australia	Tonkin Consulting	SA	Melissa has significant experience in environmental management for agricultural and construction industries in waste management, site assessment, environmental management and auditing. She completed her PhD on water balance and structural development in phytocaps and conventional covers as part of the <i>Australian Alternative Cover Assessment Program</i> . She is also a certified <i>Lead Auditor in Environmental Management Systems</i> and has completed the <i>Foundations for Directorship</i> course. Melissa's experience ranges from research and development to field consultation and advice, including preparation and implementation of environmental impact statements and management plans and environmental site assessment.	Phytocapping, ET Caps, Store-and-Release, Waste and Wastewater Management	0428 997 761 or (08) 8132 7543	Melissa.Salt@tonkin.com.au
Santomartino	Silvana	Dr	2009	CPSS	PhD, BEnvSc	PSK Environmental Pty Ltd	QLD	Silvana Santomartino completed a PhD in Environmental Geochemistry and has spent 9 y working on geochemistry projects related to Acid Sulfate Soils and Acid Rock Drainage. Silvana is Principal Consultant for PSK Environmental Pty Ltd in Milton, Brisbane and has conducted soil, rock and groundwater investigations in both QLD and VIC. Silvana has also completed geochemical assessments of potential waste rock and tailings for mining companies.	Applied research expertise, Training advice and consultation, Soil survey and classification, Acid sulfate soil, Geochemistry of soil and ground water; Applied research, Training advice and consultation; Soil survey and classification	0424 303 308	ssantomartino@pskenviro.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Scheffe	Cassandra	Dr	2007	CPSS	BAgSc, PhD Soil Sci	AgriSci Pty Ltd	VIC	In 2014 Cassie established 'Scheffe Consulting' (now AgriSci Pty Ltd), partnering with fertiliser and mining companies in product development, continued synchrotron research with UNE and Southern Cross Uni, supervision of PhD students at Monash and Melbourne Universities, working with councils and water authorities to manage waste products, and advising corporate farming entities on the management of soil constraints. Cassie has established an industry program to reduce greenhouse gas emissions in cropping, in partnership with Mars Petcare and the Sustainable Food Lab, USA, and manages an Ag-tech research field site in Melbourne on behalf of Monash University and Bosch Australia. As Research Coordinator (part-time) for Riverine Plains Inc, Cassie has managed and delivered projects around management of soil constraints, precision agriculture, IoT applications, and predictions of plant available water. Cassie is responsible for developing new project concepts and manages delivery of all research projects. In 2019 Cassie was awarded the Recognising and Rewarding Excellence Award from the GRDC Southern Region.	Basic research expertise, Soil management and conservation, Applied research expertise, Soil chemistry, Assessment, management and amelioration of soil acidity, salinity and sodicity; Soil C and climate change (C-sequestration in soils)	0419 238 798	cassandra.scheffe@gmail.com
Sheldon	Anna	Dr	2010	CPSS	PhD, Soil Science, BEnvSci(NatResSci)	Enironmental Earth Sciences QLD	QLD	Dr Sheldon completed a PhD in Soil Science (2009, Univ. Qld) and is a consultant soil scientist with Environmental Earth Sciences, Qld. Projects undertaken include soil and hydrogeological baseline studies for proposed mines, Soil monitoring in effluent irrigation area, and groundwater monitoring for contaminated sites. Dr Sheldon was awarded an Australian Postgraduate Award scholarship in 2003 and the ASSSI-ASPAC best oral presentation of symposia at the National Soils Conference, Adelaide, 2006.	Subsoil constrains to root growth and water use efficiency in northern grain soils; toxic and osmotic effect of salinity. The effect of copper toxicity on the growth and root morphology of Rhodes grass (Chloris gayana Knuth.) in resin buffered solution culture; Salinity, Contaminated land.	0448 805 618	asheldon@environmentalearthsciences.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Sorongan	Dahmon	Mr	2009	CPSS	MSci & Tech, BSc(Env)	Prensa	WA	Dahmon Sorongan is Managing Consultant with Prensa and has been working in the Contaminated Site and Hazardous Materials fields since 2000. He completed a BScEnv (Hons) in Soil Science at University of Sydney in 2000 and completed a MSci &Tech GIS at UNSW in 2005. Dahmon has extensive experience in Contaminated Sites assessment, remediation and management both within WA and Nationally and also has experience in Hazardous Materials Assessment and Management and Property Due Diligence.	Contaminated Sites Soil & Groundwater Investigations; Contaminated Sites Remediation; Hazardous Building Materials Assessment & Management (Asbestos); Land Capability Assessments; Salinity & Acid Sulfate Soil Assessments; Soil Science; Geographic Information Systems (GIS); Air, Gas & Groundwater Monitoring; Landfill Assessment & Monitoring; Project Management; Environmental compliance monitoring; Environmental & Hazardous Materials Technical Due Diligence.	0437 332 876	dahmon.sorongan@prensa.com.au
Srivastava	Prashant	Dr	2010	CPSS	PhD (Env'l Soil Chem), PhD (Soil Sci), MScAg(SoilSci), BSc, Adv.Dip.Proj.Mgmt	CRC Contamination Assessment & Remediation of Environment (CRC CARE)	SA	I am Business Manager and primary contact for technical services provided by CRC CARE. I oversee the CRC's outreach activities and am chief organiser of the industry training and flagship CleanUp conference. I head the demonstration programs for the Australian Institute of Petroleum, working closely with mining and oil sectors, environmental practitioners, regulatory authorities, and scientific researchers around Australia. I coordinate the Petroleum LNAPL Forum, which advises the CRC on its Petroleum program. I have worked in both academia and industry. I received my PhD and Masters in soil chemistry, fertility and plant nutrition from GBP Univ. Agric. & Technol (Pantnagar, India), and a PhD in Environmental Soil Chemistry at Univ. Sydney. I conducted post-doctoral research at Savannah River Ecology Laboratory of the University of Georgia (USA). My research interests include fate and transport of petroleum hydrocarbons, heavy metals and nutrients in soil and plants. I hold tertiary qualifications in project/program management. Before joining CRC CARE, I was a Sydney-based environmental scientist/consultant, working on contamination assessment and remediation of soil and groundwater. I have also worked on research projects in India, Australia and USA.	Contaminated land assessment and remediation, preliminary and detailed site investigations, soil and groundwater chemistry, soil fertility and plant nutrition, rice and wheat agronomy, soil testing, nutrient management and recycling, training, project management	0422 176 366	prashant.srivastava@crccare.com
Tonkin	Rebecca	Dr	2013	CPSS	PhD		SA			0448 168 010	bec_tonkin@bigpond.com

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Tucker	Robyn	Ms	2002	CPSS		Livestock Environmental and Planning (LEAP)	VIC	Robyn Tucker is Principal Consultant of Livestock Environmental and Planning (LEAP) in Horsham, VIC. Robyn specialises in environmental management, code and guideline development and R&D in the intensive livestock and abattoir sectors. She has prepared numerous planning permit applications, environmental impact studies, environmental management plans, and effluent and manure re-use plans for piggery, beef and lamb feedlots, intensive dairies, poultry farms, abattoirs and composting facilities. Robyn is an author / co-author of the National Environmental Guidelines for Indoor Piggeries, National Environmental Guidelines for Rotational Outdoor Piggeries, Piggery Effluent and Manure Management & Reuse Guidelines, Guidelines for Victorian Dairy Feedpads and Freestalls, Environmental Guidelines for the Australian Egg Industry, Beef Cattle Feedlots: Waste Management and Utilisation and a broad range of booklets and tech-notes on related topics. She has worked on a range of intensive livestock environmental research projects to develop indicators of environmental sustainability, examine the relationship between feedlot manure management and pathogen transfer, developing NRM indicators for red meat supply chain LCAs, investigate nutrient extraction from piggery spent bedding and pond sludge, and estimate the quantities of nutrients in various organic waste streams nationally and mapping the location of these nutrients as part of a wastes to fertilisers project. Previous positions for Robyn include Principal Consultant with FSA Consulting (Toowoomba and Horsham 1994-2014) and Beef Feedlot Officer, Toowoomba, Qld DPI (1990-1993).	Intensive livestock and abattoir environmental management – effluent and wastewater treatment and reuse by land irrigation, training, advice & consultation services	0419 787 137	robyn@leap-consulting.com.au
Walker	James	Mr	2009	CPSS	BSc Geol (Hons)	KPMG	NSW	James Walker is a Director at KPMG and leads a national team of environmental consultants who specialise in the assessment of contaminated land and hazardous building materials. James has worked in environmental science since 2001 with the majority of this experience in Australia, New Zealand, and the United Kingdom.	Training, advice and consultation, Soil and groundwater contaminated site investigation, contaminated land remediation, Hazardous building material assessments, Environmental due diligence assessments, Wastefill classification, GIS	0417 069 585 or +61-417069585	jcwalker@kpmg.com.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Wallis	Christian	Mr	2005	CPSS-CSAM		CDM Smith	VIC		Soil management and conservation, Hydrology and wastewater management, Assessment, management and amelioration of contaminated land/soils/sites, acid sulfate soils, wind and water erosion, soil acidity, salinity and sodicity; Rural property planning, land capability classification; Effluent disposal by land irrigation	0414 969 833	wallisc@cdmsmith.com
Walton	Jon	Mr	2013	CPSS	BSc (Aust. Env Studies)	Queensland Dept Environment and Science	QLD	Jon Walton is a soils professional with over 18 y experience working in Qld in the public and private sectors. Jon's expertise covers both field assessment, soil management and assessment of soils in the planning/legislative spheres. He has a proven track record of undertaking high quality field assessments and providing accurate, timely advice to a range of clients.	Land resource survey - soil survey and classification, Acid sulfate soils (investigation and management), Land evaluation, land suitability, agricultural land classification, Strategic Cropping Land, Soil erosion, Salinity,	(07) 5451 2267	jonathan.walton@des.qld.gov.au
White	Larry	Mr	1997	CPSS	BScAg	Paladin-White Pty Ltd	VIC	Larry has > 35 y experience in both government and private sectors carrying out soil and land resource assessment, effluent irrigation, environmental management planning, soil sampling, policy preparation and training in south eastern Australia and NT. He runs a consultancy based in central VIC. His work attempts to identify the characteristics impacting on a proposed program and subsequently to development a management approach that addresses the identified inherent key constraining soil profile and environmental characteristics. He has specialist expertise in Land Capability Assessment and has used this approach to be the principal investigator in > 250 land management proposals for individuals, developers, Councils and Water Authorities where programs of residential development, horticulture and agriculture were proposed. He has been involved in Policy review for EPA-VIC in domestic wastewater and has prepared evidence and acted as Expert Witness at the VIC Civil and Administrative Tribunal (VCAT). He has been a member of the CPSS accreditation board and strongly supports the promotion of soil science and soil conservation to understand the potential consequence of various development programs and the management that is necessary to move forward in a practicable sustainable manner.	Hydrology and wastewater management (on-site), Soil management and conservation, Soil survey and classification for irrigation and land-use planning, Rural property planning, land capability classification, Urban property planning/development, Effluent disposal by land irrigation, Soil conservation & land rehabilitation (legislation, guidelines)	0419 189 879	larryw@bendigo.net.au

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Wissell	Craig	Mr	2002	CPSS	MAGBus	Team Wiss Pty Ltd	SA	Craig Wissell is a agribusiness and agronomic consultant with Team-Wiss Pty Ltd in SA.	Soil management and conservation, Applied research, Training, advice & consultation services, Rural property planning, land capability classification, Site surveys, mapping, Pedology and soil classification, GIS	0428 894 419	teamwiss@vp-connect.net
Wong	Vanessa	Dr	2015	CPSS	PhD Soil Science, BScEnv(Hons)	Monash University, School of Earth, Atmosphere and Environment	VIC	<p>Dr Vanessa Wong is involved in research exploring the spatial and temporal interactions between soils, sediments and water at a range of scales. Vanessa is interested in the role of soil-surface water-shallow groundwater processes ranging from the micron scale to the landscape scale in landscape function. Research is being carried out to understand how these biogeochemical processes occur in a range of environments. This has allowed Dr Wong to work closely with industry, government organisations (local, state and federal) and catchment management authorities to develop and apply findings from her research to improve land and water management strategies.</p> <p>Specific areas include:</p> <ul style="list-style-type: none"> Assessing the effects of land degradation processes like increasing salinity, sodicity and acidity Remediation of degraded environments Soil organic carbon dynamics Assessing acid sulfate soil environments Understanding the interactions between the hydrology, geomorphology, and soil and water biogeochemistry Determining the effects of waste application on agricultural land Developing new techniques for rapidly mapping soil and shallow groundwater properties in coastal floodplain environments Examining how climate change and climate variability influences the above processes 	Land degradation processes (salinity, sodicity and acidity), Remediation of degraded environments, Soil organic carbon dynamics, Acid sulfate soil environments, Understanding the interactions between the hydrology, geomorphology, and soil and water biogeochemistry, Determining the effects of waste application on agricultural land	(03) 9905 2930	vanessa.wong@monash.edu

SOIL SCIENCE AUSTRALIA

Certified Professional Soil Scientist (CPSS) Directory 2019

Surname	First name	Title	CPSS since	Type	Other qualifications	Company	State	Profile	Self-nominated expertise	Mobile	Email
Zund	Peter	Mr	2002	CPSS	BAgrSc	Qld Dept Science, I.T. and Innovation	QLD	Peter has many years experience in soil science, specifically in soil survey, agricultural land evaluation (suitability assessment, GQAL, SCL) and acid sulfate soils. This experience includes project development, management and technical reporting. He has also been involved with assessing salinity and soil erosion risk. His experience includes digital soil mapping. Peter has contributed to technical committees, published conference and journal papers, mentored and assisted colleagues and worked overseas.	Land evaluation (Suitability, GQAL, SCL); Acid sulfate soils, Salinity, Soil classification/characterisation, Soil and land resource surveys	0488 738 371	peter.zund@derm.qld.gov.au
Zupancic	John	Mr	2018	CPSS	BSc, MSc	Benetara Australia	QLD			0488 353 838	johnz@beneterra.com