

SOIL SCIENCE AUSTRALIA
Certified Professional Soil Scientist (CPSS) Directory 2018

as at 4/06/2018

Surname	First name	Title	CPSS since	Accred	Other quals	Company	State	Profile	Self-nominated expertise	Mobile	Email
Ashford	Tamara	Miss	2010	CPSS	BEnvSc(Hons)	Environmental Earth Sciences QLD	QLD	Tamara has worked with Environmental Earth Sciences in Queensland (2009-2013) and Victoria (2013 onwards). Tamara is experienced in project management of contaminated land and is familiar with Qld, NSW and Victorian legislation for assessment of contaminated land as well as waste classification and acid sulfate soils. Tamara is able to 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
Baumgartl	Thomas	Associate Professor	2017	CPSS	PhD(Soil Science), Habilitation	University of Queensland, Centre for Mined Land Rehabilitation	QLD	<p>Thomas joined the Centre for Mined Land Rehabilitation in 2004. 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)</p> <p>Feodor-Lynen Fellowship of the Alexander-von-Humboldt Foundation (1995) at the Dep. of Agriculture, University of Queensland, Brisbane, Australia</p> <p>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)</p>	Soil physics, soil mechanics, revegetation of mined landscapes, landscape hydrology, soil science education & training.	07 3346 4061	t.baumgartl@uq.edu.au

Bennett	John McLean	Dr	2011	CPSS	PhD, BSc Res&EnvMgmt(Hons)	University of Southern Queensland, National Centre for Engineering in Agriculture	QLD	<p>Doctor John McLean Bennett is a Postdoctoral Research Fellow with the National Centre for Engineering in Agriculture, at the University of Southern Queensland, and is leader of the Sustainable Soils Management theme. He is also a lecturer in soil science and natural resource management within the Faculty of Engineering and Surveying at the University of Southern Queensland. John has a Doctorate of Philosophy (Soil Science), from the University of Sydney, and a Bachelor of Science (Resource and Environmental Management) with first class honours in soil science, from the Australian National University. John has also recently (2011) undergone training 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.</p>	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	<p>Dr Andrew Biggs is a Senior Soil Scientist with the Department of Natural Resources, Mines and Energy in Queensland. Andrew has 25 years' experience in soil survey and land evaluation throughout Queensland. His PhD was focussed on catchment scale salt balances in the Queensland 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 Queensland Government 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 Queensland 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 at the University of Queensland.</p>	Pedology, soil classification, soil survey, land-use planning, training/education, salinity, hydrogeology, data management	07 4688 1062	andrew.biggs@derm.qld.gov.au
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

Buchanan	Simon	Mr	2011	CPSS	MPhil(Disturbed Land Rehabilitation), BLandResSci(Hons)	Landloch	QLD	<p>Simon has over fourteen years of practice as an environmental scientist in consulting, research, and government organisations. His experience relates to various aspects of environmental activities for development, construction, and mining and has worked at numerous projects across Queensland, Northern Territory, and New South Wales. Simon is recognised as a Certified Professional Soil Scientist (CPSS Stage 2) and a Certified Professional in Erosion and Sediment Control (CPESC).</p> <p>From 2012 to 2014 Simon was appointed as a member of the Strategic Cropping Land Science and Technical Implementation Committee which provided independent scientific and technical advice on soil and land resources in relation to the implementation of the Strategic Cropping Land (SCL) policy to the Queensland Minister for Natural Resources and Mines. In 2014 Simon became a member of the Queensland Government-Industry Working Group for Soil Science.</p> <p>Simon is also a Past President of the Soil Science Australia Qld Branch.</p>	Soil assessments for EISs, environmental authorities, and development approvals, including strategic cropping land, land suitability, and good quality agricultural land, acid sulphate soils, contaminated land, 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	<p>Andrew has over 26 years 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</p>	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		andrew@natres.com.au
Cartwright	Louise	Dr	2004	CPSS-CSAM	PhD, BAgSc(Hons)	Lendlease Australia	QLD	<p>Dr Louise Cartwright is a Senior Soil Scientist with Lendlease.</p>	Soil management and conservation, Training, advice & consultation services, Hydrology and wastewater management (on-site), Rural property planning, land capability classification, Contaminated land/soils/sites (assessment, management, amelioration), Acid sulfate soils (assessment, management, amelioration),	0447 074 334	louise@enviropacific.com.au

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Coventry	Ross	Dr	2002	CPSS	PhD Soil Sc	Soil Horizons Pty Ltd	QLD		Training, advice and consultation in urban soil management, wind and water erosion; site surveys and mapping, Soil testing and nutrient management, fertiliser advice, <u>Pedology and soil classification.</u>	0412 346 913	Ross@soilhorizons.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@drmn.qld.gov.au
Dang	Yash Pal	Dr	2016	CPSS	PhD Soil Chem Plant Nut, MSc Soil Sc, BSc Soil & Water Mgmt, Grad Cert Geomatic Studies	The University of Queensland	QLD	Dr Yash Dang is Senior Research Fellow at The University of Queensland possess 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 Queensland cropping soils. Yash has great faith in engagement with the 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

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 year's 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>	<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</p>	0405 460 202	steve.dudgeon@0-2.com.au
Galloway	Justin	Mr	2002	CPSS		Johns Environmental Pty Ltd	QLD	<p>Justin is an experienced Soil Scientist with expertise in the areas of effluent reuse by land irrigation, soil and land resource mapping, pedology, salinity assessment and GIS systems. Over the past 15 years 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.</p>	<p>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)</p>	0429 472 029	justin@johnsenv.com.au
Grundy	Michael	Mr	2010	CPSS	BEcon, MAgrSc, BAgSc(Hons)	Queensland Bioscience Precinct - St Lucia	QLD	<p>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 Queensland, the Murray-Darling Basin and south-west Western Australia.</p>	<p>Spatial Soil Science, Land Resource Assessment, Pedology, Intergrated Landscape Assessment, Spatial modelling</p>	0419 718 058	Mike.Grundy@csiro.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
Itakura	Takashi	Dr	2006	CPSS	PhD, BAppSc(Hons)	SLR Consulting Australia Pty Ltd	QLD	Dr Itakura is a senior project consultant specialising in geoenvironmental engineering; in addition to CPSS accreditation, he is a Chartered Professional Engineer (Environment). He obtained a BAppSc(Hons) at University of Canberra in 1995 (with credits also from the Iwate University in Japan), then a PhD from the University of Sydney in 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 the Australian Nuclear Science and Technology Organisation (ANSTO) Environment Division in 1999. During his appointment at ANSTO, he 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 South Australia; 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	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	0419 208 030	

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
Kopittke	Gillian	Dr	2015	CPSS	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 is the 2015/2015 President of the Queensland branch of Soil Science Australia and has also been an active participant with Soil Science Australia and a member of the World Congress of Soil Science held in Brisbane in 2010. She also lead Soil Science Australia'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	
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
McElna	Angus	Dr	2011	CPSS	PhD Soil Science	DSITIA, Ecosciences Precinct	QLD		Analytical and inorganic chemistry of soils	0429 854 446	Angus.McElna@dsitia.qld.gov.au

Menzies	Neal	Professor	2006	CPSS	PhD, MAgST, BAgrSc, 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 University of Queensland, Neal worked at the International Institute of Tropical Agriculture in Cameroon, then as an academic at the University of Newcastle upon Tyne (UK), before returning to Australia to take a position at University of Queensland. 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
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 Maroochydore Office. Josh has 9 y experience working on environmental projects throughout Queensland 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	jmittchell@golder.com.au
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

Raine	Steven	Professor	2010	CPSS	PhD, MAgrSt, BAgrSc(Hon s)	University of Southern Queensland, Faculty of Engineering and Surveying, National Centre for Engineering in Agriculture	QLD	Prof Steven Raine is Executive Director, Institute for Agriculture and Environment at University of Southern Queensland, Toowoomba. He is also Professor of Irrigation and Soil Science in the Faculty of Health, Engineering and Science at USQ. Prof Raine has spent > 25 y conducting soils and irrigation research for cotton, sugar, fruit and vegetable industries and the coal-seam gas and mining sectors. He also provides advice to government in relation to irrigation, soils and water resource planning. He was Program Leader in the CRC Irrigation Futures and Science Leader (Irrigation and Natural Resource Management) in the National Centre for Engineering in Agriculture. He has also worked as an irrigation specialist for Queensland Fruit and Vegetable Growers Ltd, an irrigation research scientist with the Bureau of Sugar Experiment Stations, and a land resource surveyor with the Conservation Commission of the Northern Territory. Steven was also Chair of the CPSS Accreditation Board, and has also served as President of Soil Science Australia, and was recently awarded a Fellow of Soil Science Australia.	Soil physics, Education	07 4631 1691	Steven.Raine@usq.edu.au
Ratray	Dan	Mr	2011	CPSS	MEng, BEng	Summit Environment al Consultants	QLD	Employed by Tree Crop Technologies to manage technical services delivery. I also hold the position of Visiting Scholar at University of Southern Queensland and work in collaboration with USQ scientists in soil chemistry and soil physics. My current duties include: Feasibility studies for plantation development, in particular, related to irrigation of forest plantations using CSG water (including site evaluation, soil sampling, soil physical and chemical analysis, water chemical analysis, data interpretation, soil process modelling, irrigation modelling, soil-water-plant interaction modelling); Design and co-ordinate applied research on crop management and environmental monitoring for TCT's dryland and irrigated plantation; Monitoring data analysis, modelling and interpretation of data, including recommending improvements to management to maximize crop productivity and maintain environmental sustainability; Report to clients and EPAs/DERM bodies soil chemistry issues; Technical services to provide land resource and crop management including land capability assessment for dryland and irrigated forest/crop development, and monitoring design, implementation and management for both managed and natural landscapes	Integrated catchment processes and modelling , Assessment, management and amelioration of soil salinity, sodicity; Effluent re-use by land irrigation; Soil physics (soil water); Rural property planning, land capability classification; Contaminant hydrology	0428 918 128	dan.ratray@summitenviro.com.au

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Rohde	Timothy	Dr	2008	CPSS	PhD (Mining Engineering), P/grad Dipl Mined Land Rehab, BEnvSc (NatResSci)	SKM	QLD	Timothy is a scientist with 9 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. Timothy also specialises in the closure and rehabilitation of waste rock dumps, tailings storage facilities and heap leach piles. He 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, In situ testing	0467 773 570	timothy.rohde@aecom.com
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 Victoria. 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
Sheldon	Anna	Dr	2010	CPSS	PhD, Soil Science, BEnvSci(Nat ResSci)	Environmental Earth Sciences QLD	QLD	Dr Sheldon completed a PhD in Soil Science (2009, University of Queensland) and is a consultant soil scientist with Environmental Earth Sciences, Queensland. 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 in Adelaide in 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
Stuckey	Mark	Mr	1997	CPSS-CSAM	MSc (Groundwater Hydrol), Grad Dipl Sci(Groundwater Hydrol), BAgSci	Environmental Earth Sciences QLD	QLD	Mark Stuckey is the Principal Hydrogeologist and Soil Scientist based at the Environmental and Earth Sciences, Brisbane office in Queensland.	Soil management and conservation, Applied research expertise, Hydrology and wastewater management, Soil fertility, Assessment, management and amelioration of contaminated sites, acid sulfate soils, soil pollutants, soil acidity, soil salinity and sodicity; Chemistry and risk assessment of organic pollutants, Contaminant hydrogeology	0419 691 741	mstuckey@environmentalearthsciences.com
Thomas	Evan	Dr	2011	CPSS	PhD, M.Eng, BAppSc (Biology), BAppSc (Appl Math)	Integrated Sustainability Systems	QLD		Land systems modelling, Land suitability and good quality agricultural land assessment, Soil erosion and conservation, Land resource mapping and management, Catchment management, Climate change, energy management and adaptation	0419 678 928	evan.thomas@intss.com.au

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Thwaites	Robin	Dr	2016	CPSS	PhD Soil Science, MSc Land Res Man, BSc(Hons, Geogr Sci)	Geoscapes Australia	QLD	30 y experience in land resource sciences, analysis and mapping with government, commercial and education agencies in Australia and internationally (southern Africa, UK, New Zealand, USA). Specialist and practitioner in soil geomorphology and earth surface systems, land resource survey/analysis/modelling and landscape ecology, and applied geomatics (GIS and remote sensing). Previously a lecturer and researcher at the University of Queensland, James Cook University, and Queensland University of Technology. Principal Land Resource Scientist at Environmental Earth Sciences, and at GHD consulting, and now Geoscapes Australia and Environmental Earth Sciences. Extensive knowledge of, and experience in land resource and terrain survey and mapping, field soils, field geology and field geomorphology. Also involved GIS mapping, spatial modelling, remote sensing and image interpretation throughout his career. Published in journals in the areas of geomorphology, soil geomorphology, land resource assessment, land evaluation, forest site assessment, and terrain analysis with digital mapping.	Pedology, geomorphology, and landscape science, Land resources science and assessment, especially forest soils and landscapes, GIS / remote sensing / modelling, Training / education / communication	0408 986 957	geoscapesoz@gmail.com
Tobin	Jacob	Mr	2012	CPSS	MEnvSci, BEnvSci	CDM Smith	QLD	Jacob is a Senior Environmental Scientist and team member of the E3 Consult Contaminated Lands Department. Jacob has 8 years experience working on environmental projects throughout Queensland and New South Wales. Jacob has managed recent projects, including the Soil Survey of the QCLNG Pipeline from Chinchilla to Gladstone, QLD, and contaminated land remediation and validation of the Evans Head Historical Airfield, NSW.	Contaminated land assessment and management in Qld and NSW Soil survey Acid sulfate soil assessment and management Site and soil evaluation and design of On-Site Effluent Disposal Systems Erosion and Sediment Control Assessment and Management	0409 275 587	tobinjj@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 years experience working in Queensland 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

Zund	Peter	Mr	2002	CPSS	BAgrSc	Qld Dept Science, I.T. and Innovation	QLD	<p>Peter has many years experience in soil science, specifically in soil survey, agricultural land evaluation (suitability assessment, GQAL, SCL) and acid sulfate soils.</p> <p>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</p> <p>Peter has contributed to technical committees, published conference and journal papers, mentored and assisted colleagues and worked overseas.</p>	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
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