

CAPABILITY STATEMENT

James Hall



Lead Consultant Land Capability & Soils

CONTACT DETAILS

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QUALIFICATIONS

- Bachelor of Agricultural Science (soil science & economics)

PROFESSIONAL ASSOCIATIONS

- Soil Science Australia, President (past – SA Branch)

COMMITTEES OR BOARDS

- National Soil Action Plan Working Group, representing Australia's 54 NRM regions (past)
- National Committee on Soil & Terrain, Deputy Chair (past)
- [The Australian Soil Classification](#) Working Group

James is a highly experienced landscape & soil scientist and project manager – with skills & extensive experience in soils & land capability, interpreting & developing soil information, assessing land use limitations & potential, soil survey & mapping, benchmarking/monitoring, and advising on land use & management.

He is one of Australia's leading field-focused soil scientists – having led & contributed to numerous natural resource management projects & programs, while working with diverse groups, industries and subject specialists.

James has been involved in policy, planning & strategy at national, state & regional level. His passion is supporting sound land use and management based on scientific knowledge & principles: to enhance and improve landscape/soil productivity and health.

Areas of expertise

- Soil science/land capability assessment
- Land resource assessment/soil survey & mapping
- Land use potential modelling & mapping
- Land & soil information tailored to client needs
- 'Whole-of-landscape' integrated natural resource management
- Sustainable/regenerative agriculture
- Soil carbon/climate resilience/soil health
- Salinity/soil acidity/soil chemistry-nutrition/landscape-soil-plant water relationships
- Project-program management
- Extension/event organisation
- Publications

Professional experience (recent)

- Pinion Advisory – Lead Consultant, Land Capability & Soils, Jan 2025-present
- NT Government – Principal Land Resource Officer, 2023-24
- Landscape SA Limestone Coast – Program Leader, Sustainable Primary Production, 2021-22
- Landscape SA Hills & Fleurieu/Adelaide & Mt Lofty Ranges NRM – Sustainable Agriculture Lead (Central Hills), 2019-21

CAPABILITY STATEMENT

Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Regional Ecosystem & Landscape Mapping Program (REALM)	Soil Science Leader: initial phase of NT-wide integrated mapping of soil, landscapes & vegetation	NT Govt	2023-24
Irrigated soils	Soil-plant interactions extension	NT Farmers	2023-24
Soil Extension Project	Leader: \$2M statewide soil extension project covering SA's landscape board regions	Landscape SA	2021-22
Carbon Project	Program Leader: developing carbon information for land managers and regional roadmap	Landscape SA Limestone Coast	2021-22
Farming for the Future	Program Leader: developing an information hub for best practice land management	Landscape SA Limestone Coast	2021-22
Adaptive Agriculture climate resilience project	Project Manager: collaboration & grants for innovative industry projects	Landscape SA Limestone Coast	2021-22
<u>Natural predators of vineyard insect pests</u>	Project Manager, chief editor & designer: publication for vineyard managers to identify & support natural predators	Landscape SA Hills & Fleurieu	2019-21
'Wildlife for Wine' industry project	Project Leader (Central Hills): supporting winegrowers to establish native vegetation to host predators of vineyard pests	AMLRNRM (Adelaide & Mt Lofty Ranges NRM)	2019-20
Supporting Sustainable Primary Production	Coordinator/co-designer (Central Hills): industry grants program	AMLRNRM	2019-20
Regenerating Soil Health (soil carbon project)	Project Manager & soil scientist: assessing soil carbon in native vegetation & pasture systems	AMLRNRM	2019-20
Cudlee Creek Fire Recovery	Program support & membership of Agriculture & Land Management Sub-committee	Industry & Cudlee Creek Fire Recovery Committee	2020
Rural Land Management Advisory Group	Representing NRM on this industry-focused advisory group	Adelaide Hills Council	2019-21
Landholder Calendar of Events	Manager: monthly emailed events & information newsletter	AMLRNRM	2019-21
Climate Smart Farming Forum	Organising committee member and presenter on soil carbon	Resilient Hills & Coast	2021

CAPABILITY STATEMENT

Land management courses for new landholders	Presenter on soils & farm planning/presenter & organiser Sustainable Pastures Course	AMLRNRM	2019-21
Field testing a novel polymer	Project Manager & soil scientist: testing amelioration effects on soil & water properties	CHT Australia	2017-19
Mallee dune seepage	Project coordinator & soil scientist: investigating causes of the mallee dune seepage issue	SA Murray-Darling Basin NRM	2014-17
Mt Lofty Ranges World Heritage Bid	Chair: Landscape Advisory Group	Local Councils	2012-17
Strategic development in Southern Mallee	Support for strategic regional development planning	Southern Mallee District Council	2014-15
Non-wetting soil in GRDC southern region	Developing mapping information for low-moderate rainfall zones of SA, Vic & NSW	CSIRO/GRDC	2014-15
Land use potential modelling & mapping	Co-developer: developing rules-based models for crop & pasture plant suitability	SA Govt	1997-2012
The Soils of Southern SA	Project Manager, editor, chief author & designer: landmark book development & publication	SA Govt	2004-09
South East Water Science Review	Development of forestry potential models & mapping (Radiata Pine & Blue Gum)	SA Govt	2007-09
Irrigation benchmarking	Benchmarking irrigated soil types and characteristics	South East NRM	2006-07
PIRSA Salinity Response Program	Consultant to salinity team and manager service-level agreement	SA Govt	2000-07
Soil Education & Training	'Soil pit field days': limitations, potential & formation of local soil types discussed as well as wider catchment implications	Industry, Landcare, NRM, student groups	1993-present
Soil characterisation project	Co-leader/co-developer: chemical-physical characterisation of SA soils – link	SA Govt	1993-2012
State Land & Soil Mapping Program	Co-leader/co-developer: mapping land & soil attributes across SA – link	SA Govt	1991-2012
State Land & Soil Information Framework	Co-leader/co-developer: spatial & site datasets developed for SA	SA Govt	1991-2012