



# Adelaide River Off-stream Water Storage (AROWS)

## Publication Statement

Department of Logistics and Infrastructure

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# Publication statement

This referral was produced by suitably qualified and experienced impact assessment professionals within the GHD Planning, Environmental & Sustainability Services Team based in Northern Australia, in collaboration with a range of technical specialists within GHD's national and global business on behalf of the Department of Logistics and Infrastructure (DLI) (the proponent). The project management team, their qualifications and experience in the environmental field are provided below.

## GHD project management team

Key consultant	Qualifications	Experience
Natalie Fries <b>Project Director</b>	<ul style="list-style-type: none"> <li>– Bachelor of Environmental Science (Land and Water Management)</li> <li>– Diploma of Environmental Technology</li> <li>– Certified Practising Project Manager, Australian Institute of Project Management</li> </ul>	20 years
Karlo Pechazis <b>Project Manager</b>	<ul style="list-style-type: none"> <li>– Bachelor of Applied Science – Environmental Science</li> <li>– Master of Applied Science – Hydrogeology and Environmental Geoscience</li> </ul>	16 years

Technical inputs and quality assurance and quality control reviews from relevant technical specialists have been provided throughout the development of this referral. A listing of the key technical specialists and reviewers, their qualifications and experience in the environmental field are outlined below.

## Key lead technical specialists

Key technical specialist	Specialist area	Qualifications	Experience
<b>LAND – Terrestrial Ecosystems</b>			
Laura McCallion <b>Terrestrial Ecology and Biodiversity Offsets Lead</b>	Ecology	<ul style="list-style-type: none"> <li>– Bachelor of Science (Honours)</li> <li>– Master of Environment (Water Resources)</li> <li>– Accounting for Nature accredited expert</li> </ul>	12 years
Mihkel Proos – Connect Environmental <b>Field Lead Ecologist</b>	Ecology	<ul style="list-style-type: none"> <li>– Bachelor of Applied Science (Parks, Recreation and Heritage)</li> </ul>	~20 years
<b>WATER – Hydrological Processes</b>			
Ryan Gray <b>Hydrology Lead</b>	Hydrology	<ul style="list-style-type: none"> <li>– Bachelor of Science (Hons) in Hydrology</li> <li>– Master of Science – Hydrology</li> </ul>	20 years
Timothy Anderson <b>Hydrogeology Lead</b>	Hydrogeology	<ul style="list-style-type: none"> <li>– Bachelor of Engineering, (Geological Engineering) (Hons)</li> </ul>	25+ years
<b>WATER – Inland Water Environmental Quality</b>			
Dr. Kevin Boland – Trop Water <b>Water Quality Advisor</b>	Water quality and environmental resource management	<ul style="list-style-type: none"> <li>– Bachelor of Applied Science</li> <li>– Doctor of Philosophy</li> </ul>	40+ years
Daniel Lane – Trop Water <b>Water Quality Lead</b>	Engineering/modelling	<ul style="list-style-type: none"> <li>– Bachelor of Engineering (Chemical Engineering)</li> </ul>	6 years
<b>WATER – Aquatic Ecosystems and Aquatic Threatened Species</b>			
Dr Justin Meager <b>Technical Director</b>	Aquatic ecology	<ul style="list-style-type: none"> <li>– PhD (Ecology)</li> <li>– Bachelor of Applied Science (Hons)</li> </ul>	20 years

Key technical specialist	Specialist area	Qualifications	Experience
James Wyatt <b>Aquatic Ecology Lead</b>	Aquatic ecology	<ul style="list-style-type: none"> <li>– Bachelor of Science (Hons)</li> <li>– Bachelor of Science</li> <li>– AUSRIVAS Accredited (modules 1-5)</li> </ul>	12 years
<b>LEGLISATIONS &amp; APPROVALS</b>			
Sally Wilson <b>Technical Director / Technical Reviewer</b>	Environmental Assessment & Approvals	<ul style="list-style-type: none"> <li>– Bachelor of Science (AES)</li> <li>– Graduate Certificate in Business (Business Administration)</li> </ul>	20 years
Romina Cavallo <b>Stakeholder Engagement Technical Director / Technical Reviewer</b>	Stakeholder engagement	<ul style="list-style-type: none"> <li>– Master of Arts, (Communications Management)</li> <li>– Bachelor of Science, (Applied Geography)</li> <li>– IAP2 Certificate in Public Participation</li> <li>– IAP2 Reputational Risk and Outrage Management Certificate</li> </ul>	20+ years
Maddison Clonan <b>Stakeholder Engagement Lead</b>	Stakeholder engagement	<ul style="list-style-type: none"> <li>– Master of Sustainable Agriculture, Charles Sturt University, Australia, 2017</li> <li>– Bachelor of Science (Environmental Science), Flinders University, Australia, 2013</li> </ul>	6 years
<b>AIR</b>			
Jody Finsen <b>Atmospheric Processes Lead</b>	Sustainability	<ul style="list-style-type: none"> <li>– Bachelor Engineering (Environmental)</li> <li>– ISAP</li> <li>– GSAP</li> </ul>	25+ years
Evan Smith <b>Air Quality Lead</b>	Air quality monitoring modelling and assessment	<ul style="list-style-type: none"> <li>– Bachelor of Engineering (Environmental)</li> </ul>	19 years
Laura Trotta <b>Climate Change &amp; Adaptation Lead</b>	Environmental engineering/climate change and resilience planning	<ul style="list-style-type: none"> <li>– Bachelor of Engineering (Environmental) (1st Class Honours)</li> <li>– Master of Science (Environmental Geochemistry)</li> <li>– ISO14001 Environmental Management Systems Lead Auditor</li> <li>– Lean Six Sigma Black Belt</li> <li>– Climate Reality Leader</li> <li>– Infrastructure Sustainability Accredited Professional (ISAP)</li> </ul>	24+ years
<b>PEOPLE – Community &amp; Economy</b>			
Dr. Pallavi Mandke <b>Technical Director</b>	Social impact assessment	<ul style="list-style-type: none"> <li>– PhD in Social Development</li> </ul>	20+ years
Chloe Sullivan <b>Social Impact Assessment Lead</b>	Social planning and engagement	<ul style="list-style-type: none"> <li>– BA Anthropology &amp; Psychology</li> <li>– Master Human Rights</li> <li>– Certified with IAP2</li> </ul>	9 years

Key technical specialist	Specialist area	Qualifications	Experience
<b>PEOPLE – Cultural Values Assessment</b>			
Asher Ford <b>Technical Director / Senior Heritage Advisor</b>	Anthropology	– Bachelor of Arts (Hons)	16+ years
Catherine La Puma <b>Cultural Heritage Lead</b>	Archaeology/ Anthropology	– Bachelor of Arts/Bachelor of Science – Bachelor of Medical Science (Hons) – Masters of Archaeological Science	15 years
Leon Filewood <b>First Nations Cultural Leader</b>	Social engagement and communications	– Statement of Attainment Legal Practice Management – Graduate Diploma Legal Practice Legal Practice – Bachelor of Laws – Diploma of Aboriginal Justice Studies Aboriginal Justice Studies – International Association for Public Participation (IAP2) Certification	18 years
<b>PEOPLE – Human Health</b>			
Karen Yale <b>Human Health Lead</b>	Human health impact	– Bachelor of Science Hons (Geography) – Master of Science (Environmental Protection) – Health Impact Assessment (single subject)	20 years
Toby Cooper <b>Traffic Impact lead</b>	Traffic impact assessment/ Microsimulation Modelling	– Bachelor of Arts (Economics and Government) (Hons)	22 years

## EIA document review

The submission of the environmental impact assessment (EIA) documentation progresses through an established and robust technical and quality review process within GHD. Initially, the process starts with technical specialists undertaking field/desktop research, investigations and engagement that are specific to the Environmental factor relevant to their technical discipline and preparing the corresponding written chapter or study. This documentation is then reviewed for accuracy and adequacy by the Technical Lead or Director, who has sufficient project knowledge, technical experience and authority.

Following this process, the information is then submitted to the GHD AROWS Project Manager to collate into the overarching environmental impact assessment documentation to ensure consistency. Subsequently, the GHD AROWS Project Director then undertakes a final review before submission to the DLI AROWS Project team.

The DLI AROWS Project team has dedicated environmental personnel, project delivery personnel and senior members of NT Government that then commence an adequacy and strategic review. Following this process, the EIA documentation progresses through to the NT Government governance and is submitted to the NT EPA for assessment.



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