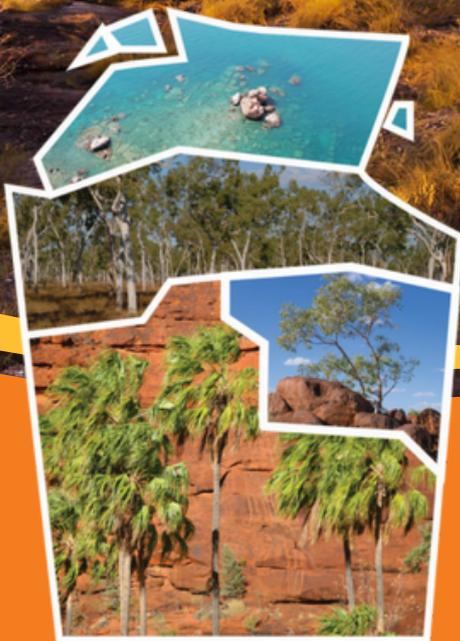




TERRITORY NATURAL RESOURCE MANAGEMENT

CONFERENCE 2025
18-20 NOVEMBER, DARWIN

PROGRAM





Welcome to the **2025 Territory Natural Resource Management Conference**

Acknowledgement of Country

Territory Natural Resource Management acknowledges the Larrakia people, the Traditional Owners and Custodians of the land on which we gather for this event.

We recognise their ongoing connection to culture, country and community, and we pay our respects to their Elders past and present.



WELCOME

We are delighted to present this three-day event, designed to offer inspiring, informative and collaborative presentations, exhibitions, and workshops. We hope you enjoy this opportunity to connect and engage with natural resource managers from across the Territory. We trust you will find valuable insights and learnings throughout the event.

VENUES

The 2025 Territory Natural Resource Management Conference and NT NRM Awards are being held at the Darwin Convention Centre at the Darwin Waterfront Precinct.

Darwin Convention Centre, Stokes Hill Road, Darwin

The Conference Welcome Meet and Greet Networking Function is being held at Hot Tamale Restaurant at the Darwin Waterfront Precinct.

Hot Tamale, 19 Kitchener Drive, Darwin

IMPORTANT INFO

Please present to the Registration Desk upon arrival to check-in to the event.

Delegates are reminded to wear their conference lanyard at all times to gain entry to all registered conference sessions.

Kindly note that this event is completely sold out – no additional registrations will be accepted onsite.

Thank you for your cooperation and for helping us ensure a smooth and enjoyable experience for all attendees.



☎ 08 8942 8300

@ events@territorynrm.org.au

🌐 www.tnrmconference.org.au



7:30 AM onwards

REGISTRATION – WELCOME TEA & COFFEE

Please present to the Registration Desk upon arrival to check-in to the event.

Delegates are reminded to wear their conference lanyard at all times to gain entry to all registered conference sessions.



8:30 AM – 12:00 PM

MORNING WORKSHOP SESSIONS

A jam-packed morning of interactive workshops exploring a range of natural resource management topics. Designed for diverse interests, these sessions offer practical insights, skills development, and opportunities for meaningful discussion and collaboration.



TECH FOR NATURE: ON-COUNTRY MONITORING WITH MODERN TECHNOLOGY

Join us for a hands-on workshop to explore today's tools for a stronger tomorrow. Gain fresh ideas, build connections, and learn practical tech solutions to care for Country.

This workshop will bring together experts, rangers, community members, and researchers to share practical knowledge on using technology for biodiversity monitoring. Participants will build skills and confidence in applying modern tools, including camera traps, acoustic recorders, drones, and eDNA to strengthen on-Country management and research.

This workshop will include show-and-tell demonstrations of monitoring equipment in action, real examples of how data from these tools reveal patterns in land and sea health, computer-based demonstrations using software to turn collected data into clear stories, and breakout groups where you can dive deeper into specific technologies with presenters and ask practical questions.





NATURAL CAPITAL: MAKING SENSE OF IT FOR PEOPLE AND COUNTRY

Natural capital is the foundation of healthy ecosystems, strong communities, and sustainable economies— join us for a workshop that unpacks why natural capital matters.

This workshop will start from the ground up to explain what natural capital is, why people are talking about it and what it's got to do with Country. We'll break down the language and ideas behind carbon, biodiversity, natural capital, ecosystem services, environmental markets to help you make sense of it.

Connecting to things you may already know of such as plants, animals, water, soil, fire, we link natural capital to the many diverse and important aspects of working and living with nature. Through activities, and engaging discussions, participants will build their confidence to join conversations, ask questions and make better decisions about natural capital for themselves.



SAWFISH COUNTRY: WORKING TOGETHER TO PROTECT SAWFISH FOR FUTURE GENERATIONS

When we protect sawfish, we protect our rivers, our coasts, and our wellbeing— join us for a workshop working to ensure this amazing animal is here for our future generations.

The Northern Territory is part of the last stronghold in the world for sawfish — iconic animals vital to healthy rivers and seas, and of great cultural importance for many people. Four of the world's five species live here and all face major pressures from commercial fishing, water extraction, and changes to their habitat - all of which are compounded by climate change.

This workshop will bring Traditional Owners, rangers, and researchers together to share knowledge and explore pathways for protecting sawfish across the NT. Through stories and collaboration, we will strengthen connections, deepen understanding, and support ongoing conservation efforts.



12:00 PM – 1:00 PM

NETWORKING LUNCH

A fully catered buffet lunch for Day 1 workshop participants

Connect with conference delegates and partner exhibitors, exchange ideas, and enjoy a delicious meal in a relaxed setting that fosters meaningful conversations and collaboration.



1:00 PM – 4:30 PM

AFTERNOON WORKSHOP SESSIONS

A jam-packed afternoon of interactive workshops exploring a range of natural resource management topics. Designed for diverse interests, these sessions offer practical insights, skills development, and opportunities for meaningful discussion and collaboration.



DYNAMIC HABITAT MAPPING

Join us for a hands-on workshop exploring Dynamic Habitat Mapping – a practical tool that combines ecological data, cultural knowledge, and government resources to support effective land management.

Habitats describe the various plant and animal communities across your country. Habitat mapping is very useful for natural resource management. In this workshop we will learn how to create Dynamic Habitat Maps, where we can add all sorts of information to some basic habitat mapping that we will develop.

The CDU team at the Darwin Centre for Bushfire Research have created Dynamic Habitat Maps for many areas in north Australia, we'd like to share our knowledge with you. We will also have Indigenous Natural Resource Managers to provide a cultural interpretation, and an expert from the NT Government to show us how we can build government information into our maps and make our maps align with the NTG REALM program.





INDIGENOUS CARBON FARMING 101

This workshop is open to Indigenous people and representatives of Indigenous organisations only.

Indigenous carbon projects deliver real benefits for climate, community, and Country. These projects support Traditional Owners to return to Country, create meaningful jobs in remote areas, and help pass caring for Country knowledge from Elders to younger generations.

Join this workshop to learn about carbon farming and how it can support Indigenous land and sea management. We'll cover carbon counting methods, explore Indigenous rights and interests in the carbon industry, and discuss what setting up a carbon project on your Country could involve.

The workshop is hosted by the Indigenous Carbon Industry Network (ICIN), the peak body representing 23 Indigenous organisations leading carbon projects across Australia. ICIN supports Indigenous knowledge-sharing, policy advocacy, and the development of best practice guides to grow a strong, Indigenous-owned and led carbon industry.



STEPPING STONES: SUPPORTING RANGER LEADERS TO PLAN AND MANAGE PROJECTS

The role of a coordinator is big, complex, and demanding. This workshop is designed for aspiring leaders ready to step up - build the practical skills and confidence needed to take on leadership roles to support strong, effective ranger teams.

This workshop will build on past ranger leadership workshops and explore how we can break down challenges of roles by building skills and identifying the support needed to manage the job one project at a time. Allowing participants to work together to identify common themes, brainstorm new ideas, network with like-minded people and share strategies for overcoming challenges.

We will learn from current leading rangers of their experience of starting one of their first projects, including: what was involved, what support was needed, what planning they used, and the lessons they learned. Rangers will leave the workshop with having planned their own project to take home.



5:00 PM – 6:30 PM

WELCOME MEET & GREET NETWORKING FUNCTION

Hot Tamale Restaurant, Darwin Waterfront

Kick-off the conference with our Welcome Meet and Greet Networking Function at Hot Tamale! Enjoy a relaxed atmosphere featuring delicious canapés and a complimentary drink on arrival.

This is the perfect opportunity to connect with fellow delegates, share insights, and forge valuable relationships. Don't miss this opportunity to expand your network and collaborate with fellow natural resource managers!





7:30 AM – 4:00 PM

PRESENTATION SHOWCASE

Experience a dynamic day of learning, innovation, and connection at the Presentation Showcase

Enjoy inspiring plenary presentations, a thought-provoking panel session, interesting poster displays, and engaging partner exhibition booths showcasing the latest research, activities, and innovations in natural resource management across the NT.

Connect with natural resource managers, researchers, and industry partners, and catch live coverage from ABC Country Hour, broadcasting directly from the conference.

Delegates will enjoy fully catered networking breaks at morning tea, lunch, and afternoon tea. Take the opportunity to enjoy delicious food, engage with partners and presenters, and build valuable connections within the NRM community.

An inspiring day of learning, networking, and collaboration awaits!

ABC Country Hour live broadcast from the conference

Join Matt Brann as he broadcasts live from the conference, sharing the latest stories, insights, and highlights from across the Territory. Matt will be chatting with presenters, conference partners, and delegates throughout the day.

ABC Country Hour brings rural news and events from the Northern Territory and across Australia every weekday from 12:30 pm.



Expand your network – Meet our Exhibitors

Explore informative and interactive displays throughout the conference. Our exhibitors and partners will be on hand across all three days. Visit their booths to exchange ideas, gain insights, and make valuable new connections.

Australian Marine Conservation Society

Batchelor Institute of Indigenous Tertiary Education

Department of Lands, Planning & Environment – Northern Territory Government

GEBC Project – Northern Land Council

Indigenous Carbon Industry Network (ICIN)

Job Skills Network

Larrakia Rangers

Northern Hub

NT Heli-Ops

Professional Trapping Supplies

Research Institute of the Environment & Livelihoods – Charles Darwin University

Territory Natural Resource Management





7:30 AM onwards

REGISTRATION – WELCOME TEA & COFFEE

If you did not attend Day 1 of the conference, please present to the Registration Desk upon arrival to check-in to the event.

Delegates are reminded to wear their conference lanyard at all times to gain entry to all registered conference sessions.



8:50 AM – 9:00 AM

WELCOME ADDRESS

Welcome to Country

Gabby Millar, Larrakia and Wadjigan woman

Welcome Address

Territory Natural Resource Management



9:00 AM – 10:15 AM

PLENARY PRESENTATIONS – SESSION 1



Eradication of tropical fire ant from the Tiwi islands

Stanley Tipungwuti, Tiwi Rangers
Ben Hoffmann, Myrmex Pty Ltd

The Tiwi Ranger Program has achieved the eradication of the highly invasive pest, the Tropical Fire Ant, on the Tiwi Islands. This extraordinary achievement, covering a minimum of 1535 hectares of infested area, took 22 years. Two populations are the second and third largest ant populations eradicated globally of any species. This presentation tells the story of how it was done.

Derek Puruntatameri is a proud Munupi man from the Tiwi Islands. He is a Tiwi Ranger Supervisor and is based at Milikapiti. Ben Hoffmann is an ant specialist with a particular focus on invasive ant eradications. He was a CSIRO scientist but now runs an invasive species consultancy.



🕒 9:00 AM – 10:15 AM

PLENARY PRESENTATIONS – SESSION 1



Mimosa Control at Wanmarri

Yugul Mangi and Numburindi Rangers

The discovery and treatment over time of *Mimosa pigra* on the Wanmari flood plain and how consistency has greatly reduced the infestation. This will be an historical account and also the recent use of technology to increase the efficiency of treatment.

Yugul Mangi rangers based on the Roper river at Ngukurr and Numburindi rangers based in Numbulwar are part of the South East Arnhem Indigenous Protected Area, covering 19,000 sq kilometers.



Are we burning our country too often?

Marsha Riley, Sheena Inkamala, Geraldine Yamma, Jenny Pareroultja, Sonia Kenny and Gerard Lessels Tjuwanpa Outstation Resource Centre

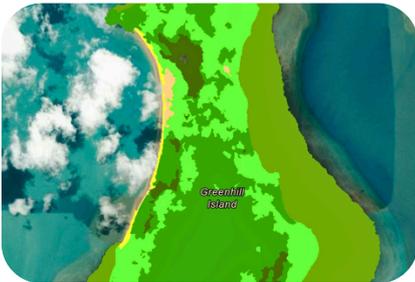
The overview of our presentation is a self analysis of our Ranger land management practices which have identified a major decline in biodiversity and country health on Western Arrarnta Country. Fire is the activity that has the greatest impact on our country and the flow on impacts are showing a holistic and catastrophic decline in all facets of our country.

While self assessment can be confronting the Tjuwanpa Women Rangers have identified a need for change before many parts of their culture and the environment are lost. This presentation shows how the Women Rangers are prepared to back themselves for positive change and hope that other groups may wish to follow the Women Rangers if they feel they identify with the same burning issues.

The Nominated Women Rangers, part of the Tjuwanpa Women Rangers, care for Western Arrarnta Country across five land trusts. Since 2013, they have managed fire, weeds, feral animals, and water. This presentation addresses the serious decline in biodiversity and the urgent need for better land and environmental management.

🕒 9:00 AM – 10:15 AM

PLENARY PRESENTATIONS – SESSION 1



Dynamic Habitat Mapping

Andrew Edwards

Darwin Centre for Bushfire Research – Charles Darwin University

Dynamic Habitat Mapping is a practical approach for creating habitat maps tailored to local land-management needs. It allows detailed mapping of priority areas while keeping less critical areas at a coarser scale, saving time and effort.

The mapped habitat patches can then be linked with information from external datasets such as weeds, feral animals, threatened species, vegetation data and fire history. This presentation will explore how Dynamic Habitat Mapping works, what types of information can be integrated, and the benefits it provides for natural resource management and planning.

Dr Andrew Edwards works at the Darwin Centre for Bushfire Research at CDU. He has more than 30 years' experience in fire ecology, remote sensing and habitat mapping across northern Australia. Andrew works closely with Indigenous ranger groups, land managers and government agencies to develop practical, data-driven tools that support conservation planning, threatened species management and improved fire management outcomes.



Adelaide River Cultural Water Values Project

Imogen Dexter, Northern Land Council

Peter Waugh, Department of Lands, Planning and Environment – Northern Territory Government

Concerns about water extraction in the Roper and Daly River catchments have created conflict between Traditional Owners, water users, and the Government. To rebuild trust and include Aboriginal knowledge in water planning, the Department of Lands, Planning and Environment asked the Northern Land Council to complete a cultural values study for the Adelaide River catchment.

Working with Traditional Owners, the study identified culturally important sites, species, and features linked to water. The project offers a model for respectful collaboration, helping water planners protect cultural values while guiding fair water use, extraction, and licensing decisions across the Northern Territory.

Peter Waugh, a hydrologist with the Department of Lands, Planning and Environment, studies water resources, floodplains, and groundwater to support sustainable, science-based water planning. Imogen Dexter is a senior anthropologist with the Northern Land Council.





10:15 AM - 10:30 AM

POSTER PRESENTATIONS - SESSION 1

Join the poster displays inside the auditorium

Take this opportunity to meet poster presenters and hear about their work. Ask questions, share ideas, and network in a relaxed, engaging, and interactive setting.

The Cholla Bug: A Biological Control Agent for Coral Cactus

Gerald Danao and Greg Doddrell, Weed Management Branch, Land Resources Division,
Department of Lands, Planning and Environment - Northern Territory Government

NAFI: Updated Tools and Resources

Kerry Crosbie and Aidan Joseph, North Australia and Rangelands Fire Information (NAFI)

Designing with Country: Co-Creating Climate Futures

Tom Golland and Peter Reeve, Bureau of Meteorology

REALM Regions of the NT

Brian Lynch, Department of Lands, Planning and Environment - Northern Territory Government

Possums in the Desert: Post-Release Ecology of Brushtail Possums in Central Australia

Emma Fitzsimmons, Australian Wildlife Conservancy

The Tiwi Islands Indigenous Protected Area - Pupuni Murrakupuni

Stanley Tipungwuti and James Desantis, Tiwi Rangers

Microbes and Minerals: The connection Between Soil, Plants, Food and People

John Lyne, Tropical Soils and Plant Nutrition NT

Water Security Framework: Protecting Our Most Precious Resource in the NT

Stephanie Hawkins and Abbe Damrow, Office of Water Security,
Department of Lands, Planning and Environment - Northern Territory Government

Connecting people and place: using 3D visualisations to engage Adelaide River communities in water planning

Chris Parker and Yonten Jamtsho,
Department of Lands, Planning and Environment - Northern Territory Government



🕒 10:30 AM to 11:00 AM **MORNING TEA**

A fully catered morning tea for Day 2 Presentation Showcase participants

Connect with conference delegates and partner exhibitors, exchange ideas, and enjoy a delicious meal in a relaxed setting that fosters meaningful conversations and collaboration.

🕒 11:00 AM – 12:10 PM **PLENARY PRESENTATIONS – SESSION 2**



Caring for the Arnhem Plateau Stone Country

Megan Suthers, Territory Natural Resource Management
Tristan Maroney, Jawoyn Association Aboriginal Coporation
Sebastian Galbirrbirr, Njanjma Rangers – Northern Land Council

The Arnhem Plateau Stone Country is a unique and rugged landscape, home to many endemic plants and animals found nowhere else in the world. These ecosystems face increasing threats from large, intense fires and invasive weeds, putting both biodiversity and cultural values at risk.

In partnership with First Nations ranger groups, TNRM supports collaborative land management to protect the Stone Country's threatened shrublands and species. Our work includes searching for the vulnerable white-throated grasswren, a bird not recorded in some areas for over 30 years. This presentation will highlight how combining cultural knowledge with scientific monitoring can aid in searching for threatened species, managing fire and weeds, and caring for this remarkable landscape.

Megan Suthers, an ecologist with TNRM, works with First Nations Ranger groups on conservation across the Arnhem Plateau. She collaborates with Tristan Maroney, Jawoyn Ranger Coordinator, and Sebastian Galbirrbirr, Njanjma Ranger, whose leadership, cultural knowledge, and field expertise strengthen land management, monitoring, and ecological projects across the Stone Country.

🕒 11:00 AM - 12:10 PM

PLENARY PRESENTATIONS - SESSION 2



Searching for the Arnhem rock skink in the Stone Country

Harrison Talarico, Territory Natural Resource Management

Recent surveys across the Stone Country in Arnhem Land have uncovered new populations of the endangered Arnhem Rock Skink (*Bellatorias obiri*), extending the known range of the species and reshaping understanding of its distribution. In 2024/25, 170 cameras were deployed in collaboration with Aboriginal Ranger Groups, Traditional Owners, and project partners to find these cryptic lizards.

These discoveries mark an important step towards identifying key habitat features and understanding the ecology of one of Australia's most threatened reptiles. The next phase will focus on live-trapping, genetic sampling, and species distribution modelling to better understand population structure and habitat connectivity across the plateau.

Harrison Talarico is an Ecologist at Territory Natural Resource Management and Manbiyarra Nayinggul is the Senior Ranger of the Njanjma Rangers and Traditional Owner of the Manilakarr clan estate



Protecting the Coburg Peninsular Ramsar Site

Ewan Nicholl, Territory Natural Resource Management

Garig Gunak Barlu National Park on the Cobourg Peninsula is one of the most spectacular places in the NT. Declared the world's first Ramsar site in 1974, it is home to many threatened species and important ecosystems. However, even in this remote paradise, threats exist. Feral herbivores, expanding weed infestations, and large, intense fires threaten to erode the area's natural and cultural values.

Over recent years, Territory Natural Resource Management has been working closely with the Arrarrkbi Traditional Owners and NT Parks and Wildlife to protect these ecosystems and the species within. This presentation will showcase our collaborative efforts to monitor and manage fauna, flora, and key threats, and explore how new technologies, from remote sensing to automated cameras, are helping us better understand and care for one of Australia's most extraordinary natural places.

Since completing his Honours at Charles Darwin University in 2022, Ewan has worked and volunteered across Northern Australia. He returned to Territory NRM in early 2025 to continue work on the Cobourg Peninsula and is passionate about delivering effective, evidence-based approaches to conservation and land management.

🕒 11:00 AM - 12:10 PM

PLENARY PRESENTATIONS - SESSION 2



Managing threats to protect Bulgul's possums

**Abby Johnson, Territory Natural Resource Management
Teresa Burr Burr and Brendan Morgan-Armstrong
Bulgul Rangers - Northern Land Council**

Across the Bulgul Land and Sea Operational Area, rangers are combining biodiversity surveys with threat management to protect species and habitats. This presentation highlights the work of the Bulgul Rangers' in partnership with TNRM, focusing on the northern brushtail possum and feral pig control.

It will share key survey findings, results from on-ground work, and how ongoing pig management has reduced numbers and protected habitats. By tackling threats and collecting ecological data, the team has gained valuable insights into possum populations, helping guide future monitoring and conservation across Bulgul Country.

Bulgul Rangers Teresa Burrburr and Brendon Morgan-Armstrong, with TNRM's Abby Johnson, combine strong skills in land management, wildlife monitoring, and conservation. Using local knowledge, field expertise, and teamwork, they work together to protect the northern brushtail possum and maintain healthy habitats across Bulgul Land and Sea Country.



Innovations in Wild Pig Control: A Scalable, Adaptive Trap Design

Dr. Anthony DeNicola, White Buffalo Inc.

Feral pigs (*Sus scrofa*) are among the world's most damaging invasive species, threatening biodiversity, agriculture, and ecosystem health across both the United States and Australia. In the U.S., decades of management, through aerial control, toxicants, and trapping, have highlighted the need for scalable, low-cost, and behaviourally informed tools.

This presentation describes the thinking and behavioural principles that led to the development of a lightweight, passive net-based trapping approach designed for full-sunder capture, rapid deployment, and minimal animal stress. Initially developed in the U.S., this design has now been successfully adapted and implemented across diverse Australian landscapes, supporting regional control and research programs. We discuss the challenges that inspired this innovation, its field performance, and lessons learned from its integration with broader management strategies. The work demonstrates how behaviour-driven design and cross-continental collaboration can advance scalable, humane feral pig control.

Dr. Anthony DeNicola is a wildlife ecologist and the president of White Buffalo Inc., a nonprofit specializing in human-wildlife conflict resolution. As a Certified Wildlife Biologist and a leading expert on wildlife population control, he founded White Buffalo Inc. in 1995. He holds a Ph.D. in Wildlife Ecology from Purdue University and has led projects in the U.S. and abroad.



🕒 12:10 PM – 1:00 PM

NETWORKING LUNCH

A fully catered buffet lunch for Day 2 Presentation Showcase attendees

Connect with conference delegates and partner exhibitors, exchange ideas, and enjoy a delicious meal in a relaxed setting that fosters meaningful conversations and collaboration.

🕒 1:00 PM – 2:15 PM

PLENARY PRESENTATIONS – SESSION 3



Climate Resilience and Biodiversity: Empowering the Top End's Next Generation through Education

Nalani Sawyer
Landcare NT

BioEd is an immersive, hands-on education program that empowers primary-aged students to explore the Top End's unique environment. Through direct engagement with our unique and endemic native flora and fauna, students investigate: the impact of invasive species on our habitats; ground, surface and environmental water flow; and nature-based climate resilience strategies.

Students learn about conservation, taxonomy, specimen collection, and how to use a microscope—building curiosity, compassion, and a deep connection to nature. BioEd aims to inspire the next generation of environmental stewards and to offer insight into conservation and environment-based careers.

Nalani has worked and volunteered for various not-for-profit environmental, conservation, and wildlife rescue organisations for over 15 years. She has extensive experience in school and community education, and is passionate about biodiversity education, Top End ecosystems and fostering stewardship in future generations.

🕒 1:00 PM - 2:15 PM

PLENARY PRESENTATIONS - SESSION 3



Digitised Seasonal Calendars: A tool for sharing Indigenous Knowledge to support healthy Country monitoring

Denis Lawrence, Elizabeth Lawrence, Leon Lawrence and Lydia Lawrence

**Mimal Land Management - Mimal Learning on Country Program
Sara Weir, Bush Heritage Australia**

Over the past 2 years, Mimal Rangers, Elders (leading the Learning on Country Program in Bulman-Weemol community) and Bush Heritage Australia have been working together to digitise the Dalabon and Rembarnga Seasonal Calendars as an interactive website. This showcases Indigenous Knowledge shared by Elders including photos, stories, language words and voice recordings in these endangered languages. The calendars are a vital tool for rangers in conducting culturally based healthy Country monitoring to assess the presence and abundance of seasonal bush foods and other indicators. The Learning on Country Program is also using the calendars to support intergenerational knowledge teaching around taking care of Country good-way.

We can now support other groups to create your own seasonal calendars and are excited to share our journey from bush workshops, to cultural database, to website creation - to inspire your own journey.

Mimal Rangers and Elders leading the Mimal Learning on Country Program are Dalabon and Rembarnga custodians living in Weemol-Bulman communities and surrounding outstations. Bush Heritage Australia is a national conservation organisation supporting private land conservation and long-term partnerships with Indigenous organisations to progress a shared vision of, 'Healthy Country, Protected Forever'.

🕒 1:00 PM - 2:15 PM

PLENARY PRESENTATIONS - SESSION 3



Panel Session:

Women rangers using digital tools to care for Country

Suzannah Nabalwad and Damazine Alangale
Daluk Rangers - Warddeken Land Management

Helen Wilson and Matrina Roberston
Northern Tanami Rangers - Central Land Council

Catherine Ralph
Jenny Hunter and Staneil Russell, Kakadu Ranger

Sarah Nundhirribala and Joanne Pomery, SEAL IPA

Gladys (GB) Brown, Katrina Williams and Josie Haines,
Muru-Warinyi Ankkul Rangers - Central Land Council

Vanessa Murray, Larissa (Lulu) Kelly and Lydia Lawrence -
Mimal Land Management (Learning on Country)

Across northern Australia, women rangers are combining traditional knowledge and new technologies to monitor important places, protect threatened species, and tell stories about Country. This panel showcases women from the Digital Women Ranger Program who are using drones, camera traps, acoustic recorders, mapping apps, and other digital tools to strengthen knowledge sharing used to improve management of significant species and places. Through short presentations and discussion, panelists will share how digital skills are creating new opportunities on Country – from mapping wetlands and bilby burrows to recording cultural sites and storytelling for community and broader audiences. The session will highlight how digital innovation, when grounded in culture and collaboration, supports both environmental stewardship and women’s leadership in caring for Country.

This panel features women from across the Northern Territory, representing the Kakadu Rangers, Warddeken Rangers, SEAL IPA Rangers, Mimal Rangers, Muru-Warinyi Ankkul Rangers and the Northern Tanami Rangers. They bring diverse experiences in land management, monitoring threatened species, and blending traditional knowledge with new technologies to strengthen both culture and conservation.



2:15 PM – 2:30 PM

POSTER PRESENTATIONS – SESSION 2

Join the poster displays inside the auditorium

Take this opportunity to meet poster presenters and hear about their work. Ask questions, share ideas, and network in a relaxed, engaging, and interactive setting.

Protecting Country: Survey and control of rubber vine in the Gulf of Carpentaria

Brad Sauer, Weed Management Branch, Department of Lands, Planning and Environment – Northern Territory Government

Creek Connections: Stories, Conservation and Community Stewardship on Larrakia Country

Emma Lupin, Landcare NT

From Swamp to Sequence: Ranger Knowledge and Genetics Helping to Uncover Water Lettuce's Origins

Nicholas Cuff, NT Herbarium, Flora and Fauna Division, Department of Lands Planning and Environment – Northern Territory Government and Arafura Swamp Rangers Aboriginal Corporation

Indigenous Ranger Biosecurity Program

Natalee Leader, Gayle Heron, Vikki Richardson and Jaime Parrington, Department of Agriculture, Fisheries and Forestry – Australian Government

Remote Water: Improving Water Security across the Northern Territory

Stephanie Hawkins, Office of Water Security, Department of Lands, Planning and Environment – Northern Territory Government

Water for business: A resource for Aboriginal economic development

Abbe Damrow, Office of Water Security, Department of Lands, Planning and Environment – Northern Territory Government

Caring for the Stone Country

Meg Suthers, Territory Natural Resource Management

Connecting people and place: using 3D visualisations to engage Adelaide River communities in water planning

Chris Parker and Yonten Jamtsho, Department of Lands, Planning and Environment – Northern Territory Government



🕒 2:30 PM – 3:00 PM

AFTERNOON TEA

A fully catered afternoon tea for Day 2 Presentation Showcase participants

Connect with conference delegates and partner exhibitors, exchange ideas, and enjoy a delicious meal in a relaxed setting that fosters meaningful conversations and collaboration.

🕒 3:00 PM – 4:00 PM

PLENARY PRESENTATIONS – SESSION 4



Bush Blitz on Jawoyn Country: Informing a Healthy Country through Australia's nature discovery program

**Tristin Maroney, Jawoyn Association,
Michael Hammer, Museum and Art Gallery of the NT
Nicholas Cuff, NT Herbarium and Jo Harding, Bush Blitz**

Bush Blitz is a cross-sector partnership that facilitates field exploration to document and describe plant and animal species, typically in protected, remote and rarely visited natural landscapes. In April 2025, Bush Blitz partnered with Jawoyn Association to explore unique habitats in southern stone country; Jawoyn Country.

The Bush Blitz team, expertly supported Jawoyn Rangers as well as scientists, curators, technicians and teachers from around Australia, and Warddeken Rangers joined for a week's exchange. For two weeks teams were dropped into locations to search for species new to science, document biodiversity important for land management and make strategic collections for the museum and herbarium. Early highlights of the trip underscore the importance of partnerships and collaboration. The collections of flora, fauna and fungi will be cared for at Northern Territory biological collection organisations, the Museum and Art Gallery of the Northern Territory and the Northern Territory Herbarium, for ongoing access and collaborative work to improve our understanding of NT biodiversity and how land managers can protect our natural heritage.

The presenters were all collaborators on the Jawoyn Country Bush Blitz.

🕒 3:00 PM – 4:00 PM

PLENARY PRESENTATIONS – SESSION 4



Shaping Darwin Together: A Vision for Place and Liveability by 2050

Emma Smith, City of Darwin

This presentation outlines City of Darwin’s strategic vision to become an inclusive, vibrant, and resilient city by 2050 – where diverse communities thrive, residents feel proud, and everyone enjoys a safe, welcoming environment shaped through shared planning and active engagement.

We will explain the concept of liveability and the critical role of local government in shaping liveability through integrated planning, service delivery, and community partnerships. Drawing from extensive community consultation, we’ll showcase the Liveability Principles identified by Darwin residents, and introduce the city’s neighbourhood-based planning approach, designed to reflect the lived experience of residents. A key support in this initiative, is the online Liveability Platform: an interactive tool to assess the impact of council projects on liveability using data and community feedback. We’ll demonstrate how this platform supports data driven and transparent decision-making and empowers planners, developers, and residents to evaluate and contribute to improve their neighbourhoods. The presentation will include a case study on Robyn Lesley Park, Karama, illustrating how native planting initiatives influenced community movement, enhanced public space usage, and strengthened local identity through thoughtful design and feedback-driven improvements.

Emma Smith is the Coordinator Environment and Climate Change at City of Darwin. She assists in implementing actions in City of Darwin’s Climate Emergency Strategy 2030 and Greening Darwin Strategy 2030, as well City of Darwin’s Environmental Management Systems and programs for protecting and enhancing biodiversity in the Darwin Municipality.



3:00 PM – 4:00 PM

PLENARY PRESENTATIONS – SESSION 4



Update on Newhaven Sanctuary's Ecohealth program; including mammal reintroductions and monitoring of extant species

Tim Henderson, Australian Wildlife Conservancy

The Australian Wildlife Conservancy (AWC) conducts its Ecological Health Monitoring Program to measure and evaluate species status and trends, ecological processes, and threats across AWC sanctuaries and partnerships.

At Newhaven Wildlife Sanctuary, located in the central Deserts, an ambitious threatened mammal restoration project is taking place. In addition to reintroduced threatened mammals, the sanctuary supports populations of extant threatened species including the Black-footed Rock-wallaby and Great Desert Skink. So far, eight locally extinct mammals, including the Greater Bilby, Mala, and Central Rock-rat, have been successfully reintroduced. Monitoring tracks their survival, recruitment, and population trends, while surveys for existing species assess activity and threats. Recent good rainfall, predator-free areas, and targeted management have boosted population size, health, and breeding success.

Dr Tim Henderson is a Wildlife Ecologist for the Australian Wildlife Conservancy, responsible for managing the science program at Newhaven Wildlife Sanctuary. Tim has been living at Newhaven over the last three years and works alongside a small team of ecologists and land managers.



Creating a learner friendly NRM work place

Jaemie Page, Batchelor Institute of Indigenous Tertiary Education

Having local people take on leadership roles as ranger coordinators and managers brings many benefits, including local knowledge of culture and community, trust, role modelling, cost effectiveness, and long-term commitment. However, western management and reporting systems, with their language, literacy, numeracy, and digital (LLND) expectations, can create barriers to participation

Rangers need more training to build skills, but organisations also need to create better environments for learning. This presentation looks at how organisations can support leadership development by understanding workers' LLND needs, simplifying systems, clarifying roles, improving access to technology, allowing time for self-directed learning, and most importantly, making time and space for learning and growth within the workplace.

Jaemie Page has mentored rangers across the NT for many years, combining practical experience with research in resource management. As a CLM trainer, he promotes a two-way learning approach that values local voices and leadership. His work focuses on LLN development and delivering ranger leadership workshops and forums.





8:30 AM onwards

REGISTRATION – WELCOME TEA & COFFEE

Please present to the Registration Desk upon arrival to check-in to the event.

Delegates are reminded to wear their conference lanyard at all times to gain entry to all registered conference sessions.



9:20 AM – 1:00 PM

MORNING WORKSHOP SESSIONS

A jam-packed morning of interactive workshops exploring a range of natural resource management topics. Designed for diverse interests, these sessions offer practical insights, skills development, and opportunities for meaningful discussion and collaboration.



THE POWER OF NR MAPS: ACCESSING ENVIRONMENTAL DATA FOR THE NT

Join us for a hands-on workshop exploring NR Maps, the Northern Territory's premier online mapping platform for environmental and land management data.

This workshop will showcase how NR Maps can help you access spatial layers on vegetation, biodiversity, water resources, visualise and interpret environmental data for better planning and decision-making, integrate information from multiple sources including the NT Flora database, open data portals, and other key datasets, and support onground management, monitoring, and reporting with reliable, up-to-date information.

Whether you're managing pastoral land, conservation projects, Indigenous country, or development planning, NR Maps offers the tools to help you make informed decisions and manage resources sustainably.

Take the opportunity to expand your skills, connect with experts, and discover how data can contribute to your land management.





INDIGENOUS-LED INVASIVE SPECIES MANAGEMENT

Come learn more about some of the incredible work Indigenous Ranger Groups do to control invasive species on Country!

NAILSMA's Protecting Country Against Invasive Species (PCAIS) Program has been hugely successful over the past two years in funding Indigenous-led invasive species management across Northern Australia including the NT.

This workshop will bring together Indigenous Ranger Groups (IRG) involved in this program to share their successes and lessons learned over the past two field seasons of managing weeds and feral species, with a strong focus on feral pig work. It will also provide time for participants to network and establish new relationships with potential collaborators in other IRGs or NRM organisations.

This workshop will focus on highlighting the important work IRGs do to control invasive species across the remote North and build partnerships to help them continue and expand their work.



WACKY WEEDS: WHAT'S GROWING ON AND WHAT CAN YOU DO?

Join us for a workshop exploring how weeds fit into the bigger picture of landscape resilience. Bring your weedy questions and leave with fresh ideas for smarter, more effective weed management.

Together, we'll look at how to make the best use of opportunities for controlling weeds, what we can do to make our landscapes more resilient, and how to make weeds less problematic for land and people.

We'll explore what weeds need to thrive, how they spread and grow, and how they interact with fire, grazing, and seasonal conditions. This workshop is a chance to share local experiences, gain new insights, and develop practical strategies for managing weeds while supporting healthier, more resilient country.



1:00 PM - 2:00 PM

NETWORKING LUNCH

A fully catered afternoon tea for Day 2 Presentation Showcase participants

Connect with conference delegates and partner exhibitors, exchange ideas, and enjoy a delicious meal in a relaxed setting that fosters meaningful conversations and collaboration.



2:00 PM

CONFERENCE CONCLUDES





2025 NORTHERN TERRITORY NATURAL RESOURCE MANAGEMENT AWARDS

19 November, Darwin waterfront

2025 NT NATURAL RESOURCE MANAGEMENT AWARDS

Celebrate with us at the NT NRM Awards Gala Dinner!

Join us in celebrating outstanding achievements in natural resource management at the 2025 NT Natural Resource Management Awards Gala Dinner!

This event highlights the dedication and innovation of individuals and organisations committed to protecting our unique environment.

Date: Wednesday, 19th November

Location: Darwin Convention Centre

Time: 6.00pm to 10.00pm

Come support our finalists, connect with like-minded individuals, and learn about inspiring projects making a difference in our communities. Enjoy an evening of recognition, networking, and celebration of natural resource management efforts across the Northern Territory.

For those who booked tickets, we look forward to welcoming you and coming together to honor the finalists and celebrate the incredible work they have done throughout the Northern Territory.





2025 NORTHERN TERRITORY NATURAL RESOURCE MANAGEMENT AWARDS

19 November, Darwin waterfront

CONGRATULATIONS 2025 NT NRM AWARD FINALISTS!

Best Collaboration in NRM Award

North Australian Indigenous Land and Sea Management Alliance (NAISMA)

Territory Native Plants in collaboration with Landcare NT

NextGen NRM Award

Dripstone Middle School

Numbulwar School

Research for NRM Award

Anindilyakwa Land and Sea Rangers in collaboration with Charles Darwin University – North Australia Centre for Autonomous Systems

Research Institute for the Environment and Livelihoods – Charles Darwin University in collaboration with Malak Malak Rangers

Research Institute for the Environment and Livelihoods – Charles Darwin University in collaboration with Department of Lands, Planning and Environment, Water Resources Division – Northern Territory Government

Lifetime Achievement Award

Darryl Hill, Save Soil

Julie Roy, Yugul Mangi Rangers – Northern Land Council

Oliver Scheibe, Parks Australia – Kakadu National Park

Sustainable Enterprise & Producer Award

Fergal O’Gara, Northern Tropical Agriculture

Gorrie Station

Khadim Noor Costino, Tye Beer, Kian Guerreiro and Arsenii Maksimov – Students of Dripstone Middle School

Indigenous NRM Award

Bulgul Land and Sea Rangers – Northern Land Council

Larrakia Rangers

Ltyentye Apurte Rangers – Central Land Council

Tiwi Resources / Tiwi Rangers

Ranger of the Year Award

Bernie Lewis, Bulgul Rangers – Northern Land Council

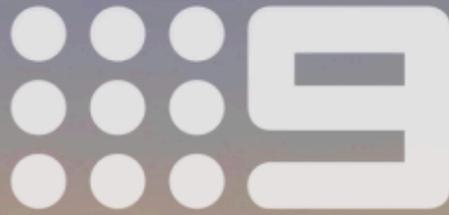
David Barrett, Marranbala Rangers

Manbiyarra Nayinggul, Njanjma Rangers – Northern Land Council

People’s Choice Award

All finalists are eligible to win the People’s Choice Award. True to its name, the award is decided by YOU!

Voting will close 1pm, Wednesday 19th November.



Channel Nine Darwin proudly supporting sustainable and natural resource management in the Northern Territory.

TRAVEL
GUIDES

60
MINUTES

THE
BLOCK

Supporting our environment and economic growth

The Department of Lands, Planning and Environment (DLPE) is a key driver of the Northern Territory's economic growth while protecting its unique natural and cultural assets through integrated planning, evidence-based advice, sustainable practices and smart regulation.

The department's core functions include managing land use and development, protecting and enhancing environmental values, conserving flora and fauna, and ensuring sustainable access to water resources. It also oversees mining regulation and supports water security through planning and innovation.

Through strong partnerships with Traditional Owners, local communities, industries and other government agencies, DLPE works to achieve long-term environmental, cultural and economic outcomes. Its commitment to transparent processes and community engagement ensures that decisions are informed and inclusive.

By integrating science, policy and planning, DLPE is helping shape a resilient and sustainable future for all Territorians, by maintaining a balance between development and environmental preservation to ensure that economic growth does not come at the expense of the natural environment.



Natural resource management data, mapping and information can be found:

- environment.nt.gov.au/natural-resource-management
- nt.gov.au/environment/environment-data-maps/environment-data
- nt.gov.au/environment/water
- watersecurity.nt.gov.au



Foster drought preparedness and resilience in agriculture among pastoralists and farmers in northern WA and the NT

How...

- We are a regional conduit for innovation and adoption, we assist landholders to adopt new ideas that build resilience, and value old ideas that still work. We connect local knowledge with the latest research and emerging innovations.
- We connect local to national. Our eight Node Managers are embedded in regional areas and link us with their respective organisations. We can support and fund projects that assist producers in adapting to climate variations and building resilience to drought.
- We assist First Nation communities in their quest to care for country by keeping cultural knowledge alive.

What we Support

- Node Managers with local knowledge to identify issues and solutions.
- Workshops, field days, symposiums, one-on-one meetings that allow latest innovations, information and research to be shared.
- Experts to collate information relevant to our region's specific needs.
- Travel for Land managers to build their knowledge by attending relevant events and conferences both in the region and interstate.

Current Projects

- Testing your stocking rate skills at the "Paddock challenge"
- Tailored on-station Rangeland Management courses
- Workshops for Financial Literacy and Planning
- Rehydration Field Days
- Understanding Natural Capital opportunities and barriers
- Researching methods to improve cotton seedling survival
- Benchmarking northern farming systems against others internationally
- Demonstrate increasing legumes in native pastures
- Interpreting weather forecasts



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For all the latest info on Ag events, innovations, research and news subscribe below!



Australian Government
Department of Agriculture,
Fisheries and Forestry



Future Drought Fund



Northern Hub

This program received funding from the Australian Government's Future Drought Fund.



RIEL
Research Institute for the
Environment and Livelihoods

The Research Institute for the Environment and Livelihoods (RIEL) is nationally and internationally recognised as a research leader in northern and central Australia and the near Asia-Pacific.

RIEL's research covers the areas of:

- Biodiversity and conservation
- Communities and livelihoods
- Savanna and arid ecology
- Water and catchments
- Food production

RIEL is home to and works together with:

- Bioscience North Australia
- Darwin Centre for Bushfire Research
- North Australia and Rangelands Fire Information service
- North Australia Centre for Autonomous Systems
- Research Institute for Northern Agriculture

Contact RIEL about research opportunities, postgraduate study, consultancy services, and partnerships.

www.cdu.edu.au/riel | riel@cdu.edu.au

CRICOS Provider No. 00300K | RTO Provider No. 0373 | TEQSA Provider ID PRV12069
Photo: Jenny Davis.



The **Indigenous Carbon Industry Network (ICIN)** is the peak body for the Indigenous carbon industry in Australia.

ICIN is a 100% Aboriginal owned not-for-profit charity. It is owned by 23 Indigenous groups who own and manage carbon projects on their Country.

Indigenous carbon projects are unique, of high integrity, and deliver real benefits to climate, community and Country.

ICIN supports knowledge sharing at a range of different events, method development led by our members, informs policy and creates best practice guides.

The work we do benefits Indigenous people across Australia.

Scan the QR code to learn more about our work, including the upcoming and highly anticipated February 2026 Savanna Fire and National Indigenous Carbon Forum.

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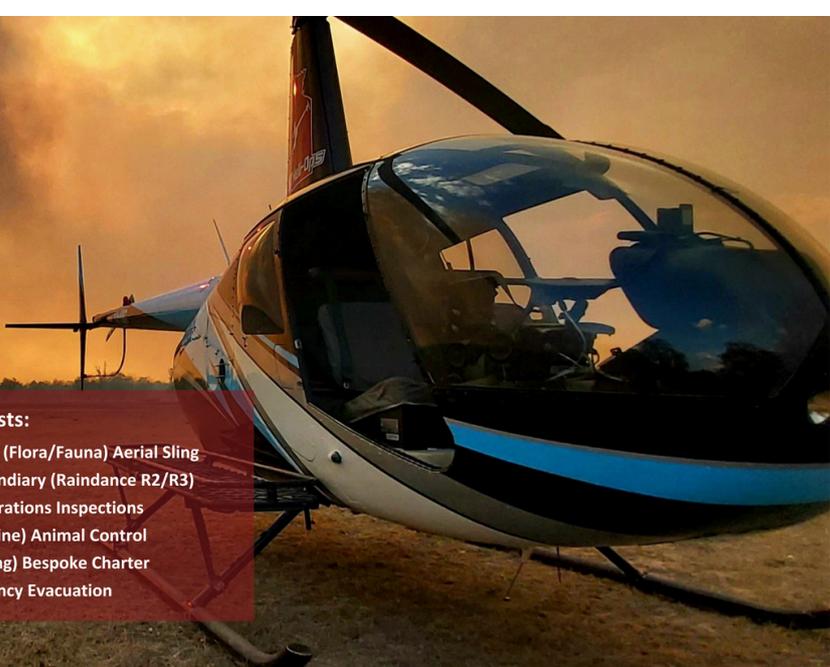
Proudly supporting Aboriginal Rangers through the

Ichthys Coastal Management Grant Program



Find out more about the Ichthys Coastal Management grants

Photo credit: Guwarrtji (hawksbill) turtle nest monitoring, Garrthala.



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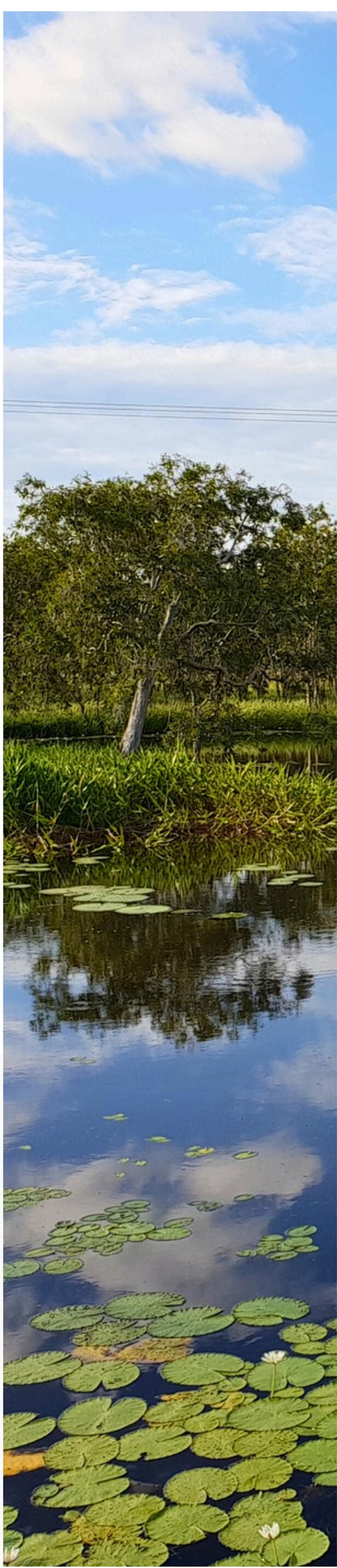
Lifting our Community

SAWFISH COUNTRY

Workshop: Protecting Sawfish in the NT



Indigenous rangers, scientists and other experts gather to share knowledge and collaborate to protect sawfish in the NT



In partnership with the Anindilyakwa Land Council Land and Sea Rangers, GEMCO is committed to the proactive management of quarantine and biosecurity across the Groote Archipelago.



Anindilyakwa
Land Council
LAND & SEA RANGERS







Thank you

We would like to thank the following organisations for their ongoing support in helping TNRM deliver the professional and high-quality event we are proud to present.

2025 TNRM Conference Partners – new and returning

Your support is vital to the success of this conference, and we thank you sincerely. A full list of our Partners can be found at the back of this program.

Darwin Convention Centre

Thank you to the entire team for your professionalism, creativity, and hospitality. We are always delighted to return each year.

Charlie Bliss

Our thanks for your outstanding photography, hard work, and creativity in capturing the spirit of the event so perfectly.

Top End Print

We appreciate your friendly, reliable service and commitment to producing our banners, posters, and programs on time, every time.

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