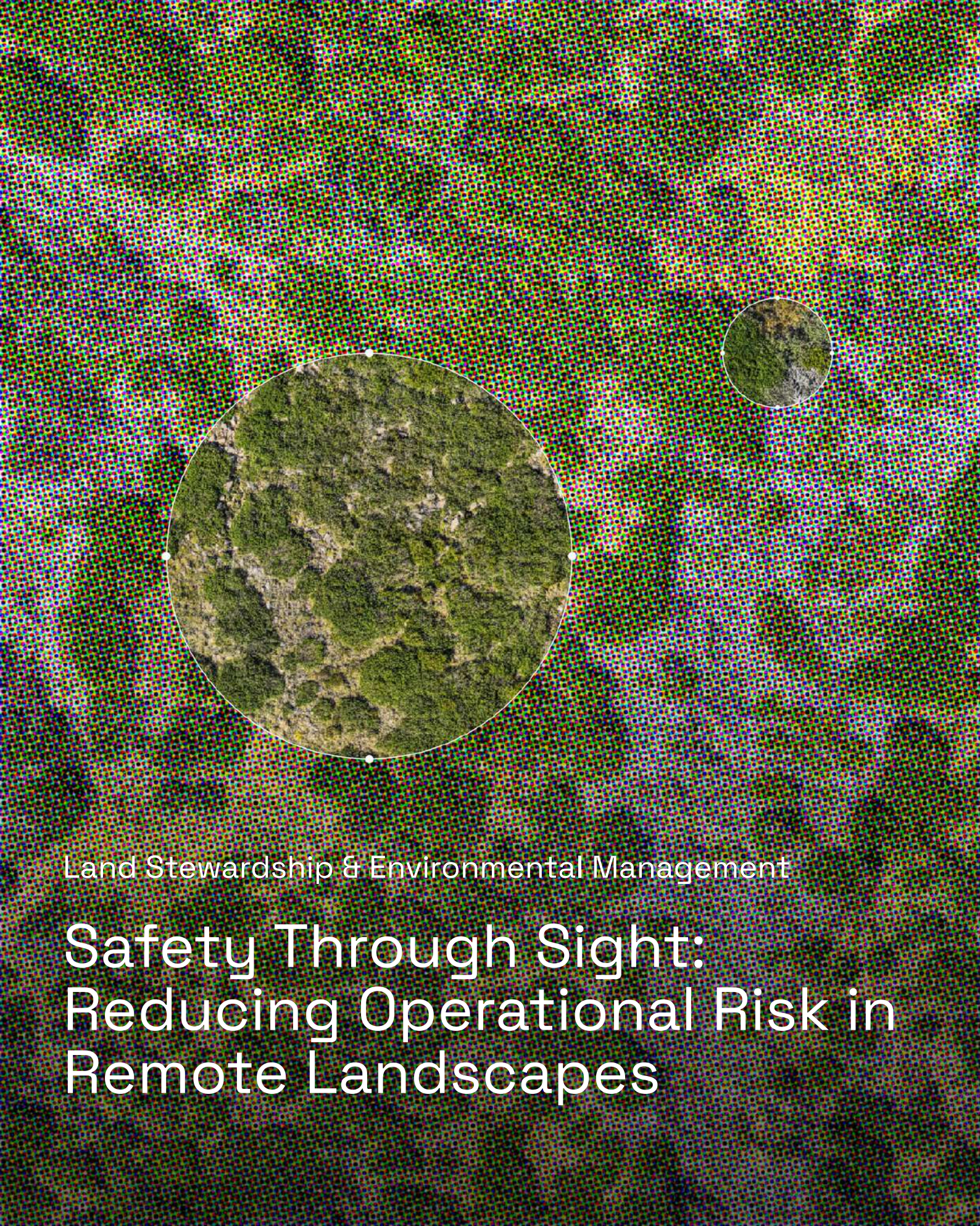

Land Stewardship & Environmental Management

# Safety Through Sight: Reducing Operational Risk in Remote Landscapes

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# Summary

**Protecting personnel and Country by replacing high-risk fieldwork with high-fidelity intelligence.**

BunjilView minimises risks in land management by combining remote monitoring, scenario modelling, and multi-source data integration. By reducing the need for in-field inspections in hazardous or sensitive locations, organisations can safeguard personnel, respect cultural sites, and protect ecosystems. Risk reduction becomes a tool for safe, responsible, and socially informed land stewardship, ensuring that both people and the environment are prioritised in every decision.

# Snapshot

| | |
|---|---|
| Project size | Up to 500 hectares daily, spanning multiple landholdings, waterways, and heritage areas |
| Technical aspects | Integrated satellite, IoT, and remote sensing; real-time analytics; remote sensing; 3D visualisation |
| Impact | Safer fieldwork, proactive risk management, environmental protection, and socially responsible operations |

To Protect The Future, Technology Must First Learn From Country

Land Stewardship & Environmental Management Insights

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# The challenge

Land management involves inherent risks to people, ecosystems, and culturally significant sites. Physical inspections of remote terrain can expose personnel to extreme weather, difficult access, or other hazards. Meanwhile, fieldwork can unintentionally disturb sensitive ecosystems or culturally important areas.

Fragmented data, delayed insights, and inconsistent reporting make hazard anticipation difficult. Without centralised, integrated intelligence, organisations may respond reactively to incidents, increasing the likelihood of environmental harm, operational disruption, or cultural missteps.

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# The solution

BunjilView transforms risk management through a centralised, multi-source platform. Drone surveys, satellite imagery, IoT sensors, and aerial measurements feed into a single system, giving teams a real-time, comprehensive view of conditions across multiple sites.

Predictive scenario modelling enables proactive risk assessment. Teams can simulate potential hazards, plan interventions, and minimise in-field exposure. High-resolution terrain and vegetation models guide safe operations, reducing unnecessary visits while ensuring culturally significant sites and sensitive ecosystems are respected.

By connecting these diverse datasets, BunjilView turns fragmented information into actionable intelligence, empowering organisations to protect both people and the environment while maintaining operational efficiency and compliance.

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## The impact

Centralised land management with BunjilView delivers measurable benefits:

| | |
|---|---|
| Enhanced safety | Reduce exposure to remote, hazardous, or sensitive areas |
| Proactive risk management | Identify hazards early through scenario modelling and predictive analytics |
| Regulatory and cultural compliance | Maintain environmental standards and respect cultural sites |
| Environmental protection | Minimise disturbance, prevent contamination, and reduce the risk of invasive species |
| Operational continuity | Make timely, informed decisions across multiple sites with centralised insights |

Organisations gain confidence knowing all landholdings are managed from one platform, enabling coordinated, data-driven decisions that protect ecosystems, support communities, and enhance resilience.

## The future

As environmental pressures and land management challenges grow, risk reduction is increasingly critical for protecting people, Country, and communities. BunjilView combines remote sensing, predictive modelling, and scenario planning to enable organisations to anticipate issues rather than react to crises.

Through its alignment with the PEM Foundation, BunjilView also supports initiatives that strengthen First Nations participation and culturally informed stewardship. Risk reduction therefore protects personnel, ecosystems, and communities while embedding social responsibility and sustainability at the heart of land management practices.

## Consultative review

**De-risking your remote operations**

Fieldwork in sensitive or remote areas shouldn't compromise safety or cultural integrity. Let's discuss how BunjilView can modernise your risk assessments through predictive modeling and remote oversight.

**Contact info@bunjilview.com.au to request a technical mapping brief today.**

## Continue the series

Protecting Country requires more than strategy; it requires a unified platform for collaboration and the precision data to back it up—visit www.bunjilview.com.au/insights and continue the series.

- **Next:** Centralising Stewardship Across Multiple Landholdings
- **Technical:** High-Fidelity Mapping for Resilient Stewardship

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Supply Nation CERTIFIED

NSWICC New South Wales Indigenous Chamber of Commerce

AAUS Australian Association for Unmanned Systems

BARS for RPAS Basic Aviation Risk Standard