

# Cape York NRM RIS 2014-18: Integrated Pest Management (IPM)

Aspirational program goals

- Healthier country, waterways and ecosystems
- People working together to care for the natural environment and to promote the sustainable use of Cape York's natural resources
- Invasive species are controlled locally by skilled Indigenous rangers, Traditional Owners, community groups and landholders.
- Invasive species impacts are minimised due to Integrated and coordinated pest management across Cape York

Longer-term outcomes

- Targeted threatened species protection (eg. turtles) , protection of remnant vegetation and advanced landscape-scale wildlife corridors
- Local responses to IPM to enable management to take place at the right time, with the right tools, in the right way
- Appropriate pest management plans are included in new developments (including mining, roads and changes in land use)
- Emerging pests detected, identified and controlled early
- Right people speaking for and working on Country, consulted with and engaged in integrated pest management
- Appropriate long-term outcome monitoring to demonstrate the importance of sustained pressure
- Pest management assets shared, and costs reduced

Intermediate outcomes

- Cape York agencies working together to achieve funding for holistic, collaborative, systems-focused IPM programs
- Land managers, Indigenous groups and broader community are aware of where to find support and information related to pests on Cape York
- Systems planning to allow for ecosystem responses when pests are removed

Immediate activities

- Road works, locals, visitors, entrepreneurs, developers and workers consider impacts of and mitigation of weed spread via roads and development
- Broader community is knowledgeable about pests and are involved in management through surveillance, identification, removal and reporting
- Skilled Indigenous rangers and TOs undertaking pest management on country when it needs to happen
- Landholders (including industry) implement management plans that incorporate collaborative and integrated pest management approaches
- Increase knowledge and awareness of invasive species, through communications that include case-studies on innovative pest management practices and education within schools
- Containment of weeds and feral animals to current locations
- Assist with the development of integrated catchment management plans that incorporate pest management through a 'top-of-catchment' approach and specify landscape and seasonal approaches
- Annual landscape surveys, monitoring and mapping to assess impacts and provide early detection system for pests and land use change
- On-country workshops, sharing of tools, skills and technology to collaboratively target particular weeds and pests
- Work with TOs, landholders and community groups to access country to undertake local weed and vertebrate pest control, using expert techniques
- Provide accredited training opportunities to Indigenous groups and property owners for shooting, baiting and chemical handling
- Contribute to development of long-term Cape York integrated pest management plan that specifies pathways to achieve an appropriate level of pest management
- Develop community monitoring tools such as apps for tablets and smart phone to record and report while on country to detect weed spread and monitor activities over the long-term
- Capacity building for landholders to identify and control weeds
- Taskforce approach in a resource poor community - assist groupings of people implement targetted control, through a 'top-of-catchment' approach
- Training and monitoring opportunities for biosecurity are supported through Quarantine efforts
- Support research innovation in integrated pest management including new control methods, and potential alternative livelihoods through ecosystem products
- A 'Weed deck' for identifying weed species on Cape York is produced and distributed to land managers
- Centrally based storage of pest management equipment to allow IPM to happen at the right time, in the right way, at the right place
- Cape York community has support to respond to major natural events (such as cyclones and floods) to reduce the spread of weeds
- Provide toolkit and communicate control methods for feral animal control
- Coordinated leadership to drive local on-ground delivery and efficient use of resources
- Encourage fire equipment and appropriate fire management as part of IPM tool kit, and document use of fire as a weed eliminate tool
- Flexible funding allocation for innovative and responsive landholders to quickly respond to emerging issues

Foundational Activities and Inputs

- CY Atlas: Provide and share opportunities for communicating, collecting, enhancing and sharing knowledge
- Small Grants Program for pest and weed management on landholders properties
- Representation on behalf of CY people around strategic issues that impact integrated pest management

Planning

Monitoring

Knowledge

Coordination

Training

Innovation