Ranger Group	<b>Description Summary</b>	ry Description Full	
3 x Land Boss UTV  Demed Aboriginal Corporation - Adjumarllarl Rangers 3 x Sylvan spray pack 1 x 4WD		<ol> <li>3xdiesel 800 Land Boss side-by-side UTV. Estimated life 10-12 years.</li> <li>3xSilvan Trukpak 200L 12V 30m eco reel. Estimated life 10 years.</li> <li>5econd-hand Toyota Landcruiser Ute (to be sourced by qualified DEMED mechanic). Estimated life 10-15 years.</li> <li>Additional components:</li> <li>3xcomplete spare front and back tyres</li> <li>3xcomplete spare front and back tyres</li> <li>3xLand Boss 800 service kits</li> <li>The Adjumarllarl Rangers operate a Landcare Management program over a vast area of over 10,000 km2 with two quad bikes, a Kubota and an old Toyota Landcruiser. Mimosa Pigra has been a long standing threat to the flood plains and riparian areas which the Rangers manage. If not controlled it will rapidly increase, damaging unique bio-habitats and spreading into further remote regions, severely affecting the native fauna and the cultural use of the flood plains for local Aboriginal people. The Adjumarllarl Rangers' current vehicles are inadequate to undertake the planned, extended program of targeted eradication, control and monitoring of the invasive threat.</li> </ol>	
Bawinanga Aboriginal Corporation - Bawinanga Rangers	Hoemland Hubs Maintenance Workshop Trailer upgrade	Capital purchases can be grouped into 3 sub-programs:  - Homeland Hubs  - Maintenance Workshop  - Marine trailer upgrade  Homeland Hubs  Djelk have already purchased 4 transportable offices that will serve as bases of Homeland Hubs at key locations throughout the IPA. Items outlined will be used to provide adequate power supply, communications, remote logistics support. Homeland Hubs will enable Rangers to live and work on country which has been a major target of Bawinanga for a long time. The establishment of these Hubs will also provide operational bases over the wet season where access is restricted.  Maintenance Workshop  These items will enable Djelk to maintain and service small motors, marine outboards, and general repairs/maintenance of ATV's and light vehicles. These facilities will also be used for skills and training development for rangers. The establishment of adequate maintenance & servicing facilities will ensure all Djelk motors/equipment will be kept to a high standard and reduce operational expenditure into the future.  Marine Trailer upgrade  Djelk have secured funding to repair and purchase 2 x marine trailers for Djelk 9m Ocean Cylinder and 6.3m Stabicraft. These items have been funded by Djelk to the total amount of approximately \$20000. Djelk are seeking to fund 1 additional marine boat trailer which will ensure we met operational and OH&S requirements to complete marine management initiatives in the Djelk IPA.	
Laynhapuy Homelands Aboriginal Corporation - Yirrakla 2 x Honda ATV Rangers 2 x Quickspary units  Marthakal Homelands Resource Centre Aboriginal		This proposal is to purchase 2 x ATV vehicles that will will enable Yirralka Rangers to access more remote places than is possible with full size 4WD vehicles, and the extra load carrying capacity of 2 seater ATVs will allow Rangers to carry suitable equipment to conduct a range of management activities.  2 x HONDA SXS700 PIONEER 2-SEATER  With regular maintenance these ATVs are expected to have a serviceable life of 5 years.  Replacement and additional weed spray units are required for YIrralka Rangers. This capital application it is proposed to purchase:  2 x Quikspray UTV-300 units that can be used on single or dual cab utes and ATV's  With regular maintenance these units are expected to have a serviceable life of 5 years.	
Corporation - Gumurr Marthakal Rangers  Mimal Land Management Aboriginal Corporation -	5.4 m Patrol vessel	5.4 Meter purpose built center console patrol vessel in survey.  The Barrapunta Ranger Station solar power system has fallen into disrepair and requires upgrading. The cost of replacing the inverter, repairing the solar array, re-wiring and replacing the backup	
Mimal Rangers	Solar array (part cost)	generator is estimated by electrical contractors at \$100,000. Reliable power is essential for functional operation of the Ranger`Station.	

Ranger Group	Description Summary Description Full	
Northern Land Council - Yugul Mangi Rangers  Hazardous goods storage and facilities		The Yugul Mangi Rangers based at Ngukurr, require an existing large industrial shed at their ranger compound to be renovated. They have no facilities to securely store vehicles at the Ranger compound and all vehicles need to secured off site. While the shed is large, the original entrance is not designed for vehicle access and it requires side doors/gates to be installed and the dilapidated fish farm equipment removed. With due care and maintenance, it is expected that the shed will have a useful life of at least 10 - 15 years.  In addition due to weed work and fire management the rangers have a need for an appropriate Hazardous goods storage and Chemical eyewash facility to minimise risk associated with storage and use of fuels and chemicals and herbicide mixing. With due care and maintenance, it is expected that the shed will have a useful life of at least 5 - 8 years.
Jawoyn Association Aboriginal Corporation - Jawoyn	1 x 4WD	Dual cab ute, Toyota. Fit 4-5 workers and spray unit, chems.
Rangers	Dual spray unit	Dual spray unit.
Roper River Landcare Group Incorporated - Mangarrayi	1 1 x 4 W D 1 x UTV	1) Toyota Land cruiser Troop Carrier. 15-20 year lifespan
Rangers  Northern Land Council - Waanyi Garawa and Garawa Rangers	Satellite PTT system	2) Side by Side vehicle - John Deer XUV855D Gator. 8-10 year lifespan  The Waanyi Garawa and Garawa rangers request the installation of a Satellite Push To Talk (SPTT) system. This system links UHF CB with satellite connection to give a scalable and cost effective solution to communications over large distances. The system would require the Waanyi Garawa and Garawa Aboriginal Land Trusts to have base stations and for the ranger vehicles to have specialized head units installed. This system is expected to have a useful life of up to a decade.
Northern Land Council - Wardaman Rangers	1 x 4WD 1 x ATV 1 x ATV trailer	The required 3-component unit consists of a Landcruiser connected to a trailer that will carry the 4wd all-terrain buggy. This unit will be used to traverse inaccessible areas on the Wardaman IPA (2244 square kilometres) that cannot be achieved presently, with the single troopy available to Wardaman TO-rangers.
Central Land Council	1 x 4WD 1 x 4wd dual axel trailer	Funding is sought to purchase a custom 4WD Dual Cab Vehicle and 4WD Dual Axle Custom trailer. The vehicle is to enable transportation of a small team of Rangers (2-5), have a carrying capacity to load supplies and equipment to support up to 2 weeks of fee-for-service cultural and natural resource based (CNRM) field work.  The vehicle will primarily be garaged in Alice Springs although it is anticipated to be used in the field on a weekly basis. This vehicle will allow the CLC to undertake works across the vast 750,000 square kilometer CLC region.  Funding for vehicles has previously been unsuccessfully sought through ABA and the IAS which is the reason for this application. If successful this funding will provide critical equipment to enable rangers to undertake fee-for-service work.  In addition the CLC is undertaking work to scope fee-for-service opportunities across central Australia to expand the current level of activity.
Central Land Council 1 x ranger management		The Ranger & Land management work planning and reporting system will provide a user friendly solution for 12 (approximately 80 rangers) ranger groups operating across the bottom half of the NT and support staff to report on work effort and project outcomes. Ranger groups currently use an MS excel workbook which has undergone significant planning and testing. This means the new system's information needs are well developed and 2 years of data will be available to test the new system. A business analyst will be engaged to support development of more user friendly.
	Ranger work shed	Construction of a new industrial workshop/shed for Anangu Luritjiku (Papunya) Rangers (8x10m) (Please see attachment). The CLC has repeatedly made unsuccessful attempts for funds from the ABA, Major Community Grants and the Indigenous Advancement Stratgey.
Central Land Council		The Anangu Luritjiku Rangers work across the Haasts Bluff ALT and are based within the CLC office compound in Papunya and have office space provided only. All equipment is stored in two shipping containers and there is no work space for the rangers. This has significant impact on the rangers ability to conduct repairs and maintenance on equipment and conduct other shed based work e.g. welding. The work shed will improve their working conditions significantly and make their workplace WHS compliant.
Tjuwanpa Outstation Resource Centre Aboriginal Corporation - Tjuwanpa Women Rangers	1 x 4WD	A 4WD, Toyota Land cruiser Workmate Dual Cab Chassis with 5 seats and a steel tray. To be fitted with Roof racks, satellite phone/dock/aerial, UHF radio, chemical transport container, winch and heavy duty recovery point, spot lights, bull-bar, long range tank, under bonnet compressor and under tray water tanks. Estimated useful life is 10-15 years.

Ranger Group	Description Summary	Description Full	
Central Land Council - Walpiri Rangers (Nyirripi) Ranger work shed		The construction of a work shed (8x10m) (see attachment) and the placement of a CLC accommodation container in the region will allow the Warlpiri Ranger group to more effectively conduct cultural and natural resource management (CNRM) work in the Southern Tanami IPA. This infrastructure will allow for a base from which trips can commence thereby increasing time available and minimizing the need for travel between Yuendumu/Nyirripi prior to scheduled work in the region. Yuendumu is the central base for the Warlpiri Rangers. The works include the construction of a concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to comply with the BCA and NCC codes.  Currently the Warlpiri Ranger Group Coordinator manages and coordinates work across 3 regions — Nyirripi, Willowra and Yuendumu within the Southern Tanami IPA with a core staffing of 4 Permanent Part-time Rangers and varied numbers of casual rangers in both Nyirripi and Willowra. The departure point of every trip is from Yuendumu as that is where the vehicles and all equipment are based. Due to distance between Yuendumu and Nyirripi, this affects the time available to adequately fulfill CNRM work plans in the Nyirripi region.  It is anticipated that these developments will:  • Strengthen the partnership between CLC rangers, IPA staff and the Nyirripi community in support of transfer of indigenous ecological knowledge through combined country visits with the rangers, Nyirripi youth and Nyirripi elders.  • Allow the Warlpiri Ranger Group Coordinator to better respond to requests from the Nyirripi community for a stronger ranger presence in the community thereby increasing the ability for country visits and working on country.	
cultural and natural resource management (CNRM) work in the Southern Tanami IPA. This infrastructure will allow for a base from and minimizing the need for travel between Yuendumu/Willowra prior to scheduled work in the region. Yuendumu is the central of a concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the concrete slab, steel shed and necessary WHS installations (e.g. Eye wash). The works are to be certified and engineered to describe the central possible to accommunity in Support of transfer of every equipment are based. Due to distance between Yuendumu and Willowra this affects the time available to adequately fulfill CNRM. It is anticipated that these developments will:  • Strengthen the partnership between CLC rangers, IPA staff and the Willowra community in support of transfer of indigenous entrangers, Willowra youth and Willowra elders.		<ul> <li>Strengthen the partnership between CLC rangers, IPA staff and the Willowra community in support of transfer of indigenous ecological knowledge through combined country visits with the rangers, Willowrayouth and Willowra elders.</li> <li>Allow the Warlpiri Ranger Group Coordinator to better respond to requests from the Willowra community for a stronger ranger presence in the community thereby increasing the ability for</li> </ul>	
Tiwi Land Council - Tiwi Rangers	2 x ATV with trailer 2000L water tank fire unit	2 x quads with trailers; 2000 litre water tank for fire fighting, maintenance of tourist camp facilities, assisting with culture trips on country; ice machine for ranger shed. Estimated useful life for all items approximately 10 years.	
Northern Land Council - Bulgul Rangers	1 x ATV 1 x spray unit	The Finniss-Reynolds Catchment Project, including 3 Aboriginal Land Management groups (Bulgul Land & Sea Rangers, Twin Hills Aboriginal Pastoral Station & Werat Aboriginal Pastoral Station require three side by side All Terrain Vehicles and three 400L Single Reel UTV Quik Spray Chemical slip on units. This equipment will greatly improve their weed spraying range & capacity. It will become central to their weed management activities. With due care and maintenance, it is expected that this equipment will have a useful life of at least 5 years.	
Deewin Kirim Aboriginal Corporation - Asyrikarrak Kirir Rangers	n 1 x 4WD 1 x Off-road trailer	Land-cruiser (LC) Military Workmate 4.5L 4x4 Diesel Manual Dual Cab  Included in the quotation from Bride Toyota (Darwin): Air conditioning Tow bar with large round plug General purpose galvanised steel tray Steel winch bull bar and a 9000lbs winch with 12 volt 30m x 8mm cable  8 x 5 Off Road Tandem Axle Trailer (1999kg ATM)  This is a hard wearing off road box trailer fitted with shock absorbers on both axles. It includes a jockey wheel and a spare tyre.	
Indigenous Land Coporation - Fish River Rangers	1 x UTV 1 x slip-on unit	The capital items requested will play an important part of the Fish River rangers' weed management activities on the ILC's Fish River Station. It is proposed that the Utility Task Vehicle (UTV) and spray unit will feature in the ILC's annual weed management program on the property. Target weed species that the requested items will be used to manage include two Weeds of National Significance, Gamba grass and Mimosa. In addition, rangers treat grader grass, mission grass, Mossman river grass, and rubberbush. Fish River rangers have spent considerable time treating infestations on the property along main access track and the proposed UTV and spray unit will make the job of accessing remote infestations more manageable. Also, purchasing a UTV - as opposed to a quad-bike - will provide rangers a safe work environment and is in keeping with current industry standards.  The slip-on fire tank will be used to suppress fire during early season fire works and for back burning operations if late season fires are encountered.	

Ranger Group	<b>Description Summary</b>	Description Full
Northern Land Council - Kenbi Rangers	Field station Indian Islan	The funding sought is for a lockable field station (transport and installation) on Indian Island in Bynoe Harbour, which will be used as a base to support the existing research and work programme of the Kenbi rangers on the island and on neighbouring islands and sea country. The field station will have space for up to 6 people to sleep under cover and provide storage, cooking space and freshwater (see attached drawings). The field station is made from light but strong materials designed for ease of transport and construction. The building will be put together on-site by the ranger group.
Larrakia Nation Aboriginal Corporation - Larrakia Rangers	5.4 m patrol vessel	Ranger Vessel 5.4 metres, 140HP motor and electronics and fit out to meet Survey Standards 20, 1+4, 2C 1+3. Also included custom built drive on aluminium trailer.
Northern Land Council - Malak Malak Rangers	2 x quad bikes	These quad bikes are Honda 500's and will replace two older quads that were purchased in 2009 and have done a lot of work. Replacing now will save on costly repairs in the future. They will have a useful life of around 10 years.
Thamarrurr Development Corporation Ltd - Thamarrur Rangers	1 x 4WD r 1 x ATV 1 x ATV trailer 1 x box trailer	New Toyota Land-cruiser 4.5L dual cab including tray body and associated on road costs. Other essential costs for this item include front bull bar, side steps and rails, electric winch, tow ball, driving lights and heavy duty suspension (see attached quotations for both capital items). Our current fleet has several older vehicles, which were acquired in 2nd hand condition. Estimated life of new car is greater than 6 years.  3 person seater quad bike with tray and bike accessories, as well as personal safety gear and helmets - estimated life more than 6 years.  1 flat top trailer 'fit for purpose' for towing a quad bike. Also 1 additional 6 x4 trailer for carrying tools and equipment for ranger work. Both trailers have an expected life frame of 10 years or more.
Northern Land Council - Wudicupildiyerr Rangers Wudicupildiyerr ranger bi The se		The first capital item will be to provide ablution facilities, power connection and amenities at the Wudicupildiyerr ranger base. This will be supported by \$140,000 from ABA Infrastructure grant to provide a concrete work area and shaded structure as well as getting mains power and a back up generator to supply power for the ranger base.  The second item is to provide power, ablution facilities and site preparation and service connection to the ranger coordinator house at Wudicupildiyerr. This grant will support the allocated amount of \$250,000 from the ABA Infrastructure grant awarded to the NLC for purchase of the pre-fabricated house.
Tiwi Land Council - Tiwi Rangers	1 x 4WD	Toyota Landcruiser vehicle with the capacity to carry minimum 5 people (staff and project partners). Estimated life 10 years.
		This vehicle will replace an aging second hand vehicle that was acquired in 2009 and has done a lot of work. Replacing now will save on costly repairs in the future. It would be expected that this new (Second Hand) vehicle will be used for at least 10 years in the ranger program. The aim of purchasing s high quality second hand vehicle is to maintain the 4.2L diesel motor which has proven to be more reliable in the wet conditions experienced in the Malak Malak region.

Ranger Group	Title	Description
The Milingimbi & Outstations Progress Resource Association Inc (MOPRA) - Crocdile Islands Rangers	Using novel methods to establish turtle nesting monitoring techniques in remote locations, on Gurriba Island Turtle Sanctuary	The Crocodile Islands are considered a site of National Significance to marine turtles (NRETAS 2009). The Traditional Owners have declared a Turtle Sanctuary on Gurriba Island and in the surrounding seas. For this project, the Rangers will install automated time lapse cameras at a mixed species turtle rookery on Gurriba Island to collect photos of turtle nesting tracks at regular intervals over three years. Cameras will be collected and photos processed to determine the efficacy of remote cameras as a tool for long-term monitoring of nesting turtles in the NT. Monthly aerial turtle track surveys will be conducted and cross-referenced to these on ground cameras and data collected. Temperature data loggers will be deployed at turtle nesting sites on two different islands to record nesting temperatures throughout the year. These methods represent a relatively cheap way to effectively monitor nesting turtles, and once established, can be continued by the ranger group for improved monitoring and conservation. The CIR propose to work with: Department of Environment and Natural Resources (DENR) - Rachel Groom (Marine Threatened Species Scientist), and Sea Turtle Foundation - Johanna Karam.
Roper River Landcare Group Incorporated - Mangarrayi Rangers	Leadership in Neem Control and Eradication in the Never-Never	The project will continue and expand an initiative begun during 2017, in which the Roper River Landcare Group Inc. collaborated with a number of organisations to control the spread of neem (Azadirachta indica), which in 2014 became a declared weed, in the Mataranka and Jilkminggan areas.  The Mangarrayi Rangers and RRLG staff have worked with Parks and Wildlife (Elsey National Park), CDP Mataranka and Jilkminggan, and the Roper Gulf Regional Council to mobilise some 10-20 people each fortnight (Friday on off-pay week) to basal bark extensive infestations in Elsey National Park, on Aboriginal land, and on road and riparian corridors and other appropriate areas to control spread of the invasive woody weed.  The project will seize the initiative in 2018 to continue these fortnightly control sessions, including provision of chemical and PPE, and expand the scope of the project for the Mangarrayi Rangers to provide education and leadership in achieving these goals.
Jawoyn Association Aboriginal Corporation - Jawoyn Rangers	Strategic, Regional and sustainable Ranger led response to the threat of Gamba Grass on Jawoyn Lands	This project will establish a significant weed management capacity in the Jawoyn ranger program by way of an equipped work unit dedicated to weed management, especially gamba grass (Andropogon gaynus). Over the next few years the unit will develop its capacity to respond to the threat of gamba grass.  The effort of the work unit will be prioritised by way of a Jawoyn weed management strategy and work plan and gain regional context through a parallel arnhem regional grassy weed response. the weed units sustainability will be secured under the scope of a Jawoyn Ranger fee for service business plan.  The work unit will consist of 3 Jawoyn rangers, 1 weed project development officer, equipped dual cab landcruiser, equipped ATV and trailer, approximately 4 months of the year.  Immediately, the work unit will focus on ground activities to control gamba grass infestation on Jawoyn's Barnjarn freehold portions, as identified in a recent large scale aerial survey. It is here that the rangers will develop their skills, procedures and certification and effectiveness alongside a dedicated weed development person. In parallel with on ground work, we will develop relationships with key corridors and neighbors that are currently introducing gamba grass (CDU Katherine rural campus, Stuart highway, gas pipeline, power line and rail line, Mount Todd mine, Moline Mine) develop our our permit system to limit unauthorized visitors and secure support from other key partners (Weed Management Branch, Bushfires, NT, Kakadu, Nitmiluk, the Arnhem land fire abatement network).  Barnjarn contains a site of conservation significance of the Gulf savanna, Yinberrie hills and adjacent to Kakadu and Nitmiluk National Park. The invasive weed creates intense wildfire which significantly impacts biodiversity, immediate of which in this area includes; Gouldian Finches, Partridge Pigeons and The area includes significant cultural sites such as rock art which are adversity affected by intense wildfires. Jawoyn Association has intitated a savanna burn

Ranger Group	Title	Description
Tiwi Land Council - Tiwi Rangers	Control and eradication of outlier weeds and ferals - Tiwi Islands	This project seeks funding to either eradicate or bring about the eradication of discrete, outlying populations of pests and weeds on the Tiwi Islands. Specifically, a discrete population of feral pigs near Rangini on Melville Island; one remaining population of tropical fire ants at Milikapiti, Melville Island; and sole outbreaks of lantana and rangoon vine at Punali Beach and near Pickataramoor, Melville Island respectively. The project will be carried out by Tiwi Land and Marine Rangers with specialist consultancy support and training as required. Feral pigs: NQ Feral Pig Management Solutions will be engaged to work with and train Tiwi Rangers in initial survey work (including camera trapping), mapping, free feeding techniques, baiting and ongoing monitoring and control. Tropical fire ants: CSIRO will be engaged to work with and train Tiwi Rangers in identifying, mapping and treating tropical fire ant nests, including ongoing monitoring and control. Tiwi Rangers will employ existing skills to target rangoon vine and lantana after initial intensive treatment. The purpose of this application is to seek funding for the training consultancies, initial bulldozer/helicopter hire, and initial high volumes of fuel and herbicide. By the end of the project it is anticipated that these outbreaks will either be eradicated, or reduced to a level that will allow eradication over a longer timeframe with the increased ranger skill sets, and within existing work programs and resources.
Northern Land Council - Kenbi Rangers	Cultural and natural resource management activities on Kenbi land and sea country	The Kenbi Ranger group conduct land and sea management over the newly declared Kenbi Aboriginal Land Trust. Healthy Country Planning has identified important values of islands and shallow seas, freshwater sites, reef communities and turtle and dugong as natural resources and areas for the ranger group to focus their efforts on. This project aims to further enhance the existing relationships and collaborations that Kenbi rangers have developed in these areas as well as adding complementary activities. The ranger group are well placed in their biodiversity monitoring of fauna on Indian Is as part of the conservation management program on Northern quolls. Further research on the fire history and its impact on the flora of the island will be conducted in regards to the very low incidence of fire now experienced on the island. Skills and capacity development in water quality and seagrass monitoring in inter-tidal and sub-tidal areas will address the key values of dugong and turtle as these habitats are crucial to local populations of these species. These programmes will work in with existing collaborations. The strengthening of cultural practices will be achieved through the (re)invigoration of traditional dugout canoe and raft.

Ranger Group	Title	Description
Northern Land Council - SEAL IPA	Management of feral animals in the South East Arnhem Land Indigenous Protected Area (SEAL IPA).	The South East Arnhem Land Indigenous Protected Area (SEAL IPA), extends over 19,000 sq kilometres within the Arnhem Land and Urapunga Aboriginal Land Trusts. Facilitated by the Northern Land Council (NLC), the the Yugul Mangi and Numbulwar Numburindi ranger groups are responsible for protecting the area's natural and cultural values in accordance with the SEAL IPA Plan of Management (2016-2021) which includes identifying, monitoring and eradicating the threats feral animals present.  In 2013, the Yugul Mangi Rangers together with contractor Desert Wildlife Services, undertook an aerial survey of the SEAL IPA, which estimated over 25,000 feral animals in the area (Attachment 1). Subsequent to these findings, in June 2014 the Northern Territory Government's Department of Land Resource Management undertook a broad-scale aerial survey targeting feral buffalo (Bubalus bubalis) abundance in Arnhem Land, providing an estimate of 4,000 buffalo in the SEAL IPA (Attachment 2).  Grant funding is being sought to undertake:  • Contract a suitably qualified professional to establish accurate numbers of feral animals in the entire SEAL IPA (utilising local knowledge and ground-truthing surveys).  • Undertake appropriate and targeted removal and control based on community and stakeholder consultations (e.g. Pest meat contractors, repair of existing exclusion fencing, mustering and /or aerial and land-based eradication).  • Develop ongoing monitoring and reporting programs of feral animal numbers, removal/relocation and/or eradication and associated environmental impacts.  Project deliverables to be provided through in-kind support include:  • Consultations and workshops with Traditional Owners and their families to discuss concerns, issues and the merits of the project and opportunities for involvement.  • Providing ongoing working on country and potential commercial opportunities (such as pet meating and mustering), which generates social and economic benefits for local Aboriginal people or at least provides some cost recove
Laynhapuy Homelands Aboriginal Corporation - Yirrakla Rangers	Laynhapuy IPA Feral Animal Control	This 3 year project will reduce the population of feral pigs and buffalo in the Laynhapuy IPA by aerial shooting which will be conducted by qualified and experienced Yirralka Ranger staff.  A feral animal population and impact monitoring project has been ongoing for the past 9 years to assess the effectiveness of feral animal management in the Laynhapuy IPA. Monitoring results are showing an increase in the impact of these feral animals over the past few years, indicating that control effort needs to be increased.  Yirralka Rangers conduct regular aerial shooting programs with recurrent funding, however populations are gradually increasing and additional funds are required to reduce the populations to a level that can be managed with recurrent funding.
Thamarrurr Development Corporation Ltd - Thamarrurr Rangers	Collaborative management of mimosa and gamba grass in the western Top End region	The project will be focused on targeted management of Gamba Grass and Mimosa in the western Top End region by 4 Indigenous ranger groups. The project will be underpinned by surveys to map current infestation areas by NT Weeds Branch, which will be used to define priority areas for aerial and ground spraying, biological control agents and containment/control activities. The project partners are the Thamarrurr Rangers, Asyrikarrak Kirim Rangers, Wudicupidilyerr and Malak Malak Rangers and Territory NRM. The project builds upon achievements from the 2009-2013 collaborative Mimosa project which reduced the density and distribution of the weed and built capacity for collaborative management. It strategically extends the scope of that successful initiative to control the spread of declared Gamba Grass from Control Zone areas downstream into the Eradication Zone.  The extension of the project to Gamba Grass strengthens an existing collaboration between project partners on Fire Management through the registered Western Top End Fire project, and so holds potential to reduce emissions and increase future carbon incomes. The project will further result in significant conservation benefits, restoration of valuable floodplains habitat which support traditional food resources such as waterfowl.

Ranger Group	Title	Description
Northern Land Council - Bulgul Rangers	Increasing Aboriginal Ranger capacity in caring for country within the Finnis-Reynolds catchment	In Sproject is rocused within the Finniss-Reynolds Catchinent which encompasses the Hoodprains of Denssavine, wagait Carrakia Adorngmal Land Trust.  Management of invasive species  In 2012, Australian Government funding was secured for a five year project to address the threat posed by feral pigs, an EPBC listed key threatening process, and the woody floodplain weed of National Significance, Mimosa pigra, on sites of high biodiversity value in the Finniss and Reynolds River catchments. The regional body, Territory Natural Resource Management (TNRM) has directed the project since 2013 in partnership with the Northern Land Council and Aboriginal Ranger Groups.  Project stakeholders  Under the project, a stakeholder group comprised of land managers including Traditional Owners, Bulgul Rangers, small property holders, National Parks and pastoralists was established. The group's focus has been on strategic collaborative management of pigs and Mimosa, with a goal of improving the situation across the catchment as a whole.  Bulgul Rangers involvement  As well as mimosa herbicide treatment, activities which the Bulgul Rangers have undertaken as part of the project include biocontrol agent collection and redistribution, detection of fauna assets through biodiversity surveys, participation in group stakeholder meetings, and pig management training and control works.  Project outcomes  Importantly, the density, seed output and spread of mimosa has reduced overall in the catchment since 2012, as a The project achieves collaborative land management by Indigenous rangers and Traditional Owners across the 118,265 ha area on the Finniss floodplains known as the Delissaville Wagait Larrakia Aboriginal Land Trust (DWLALT), by building on outcomes of the recently finished Biodiversity Fund Round One project: Finniss Reynolds Catchment Group: Management of Invasive Species (FRCG project), which operated for five years at catchment scale to reduce threats of the woody floodplain weed Mimosa pigra and feral pigs.  The DWLALT is just
Dhimurru Aboriginal Corporation - Dhimurru Rangers	Harnessing drone technology for Sea grass mapping in Dhimurru Indigenous Protected Area	This project aims to aerial survey and map the sea grass beds within the Dhimurru IPA. This will complement existing and continuing ground surveys of sea grass distribution, composition and density. The project will utilise drone technology to create spatially referenced aerial imagery of sea grass beds within Port Bradshaw and Melville Bay. This work has links to Dhimurru's Cultural Landscape Mapping submission of Port Bradshaw, as the sea grass habitats are rich in resources and culturally significant areas.  By capturing high quality spatially referenced aerial photography records of sea grass beds, we can monitor the overall extent and density of these important habitats over time. We value this work as the sea grass beds are extremely important habitat for marine fauna, and could potentially be threatened by rising sea temperatures, rising sea levels and pollution in the future. We see value in capturing this baseline dataset in order to be able to make comparisons in the future.
Dhimurru Aboriginal Corporation - Dhimurru Rangers	Surface water temperature loggers - Dhimurru IPA	This project is to enable the Applicant to acquire and deploy ocean surface temperature logging devices at three (or more) collection sites within the Dhimurru IPA, situated in the Gulf of Carpentaria, and swap them out at 6 month intervals.  The sites will be determined by the Applicant with the assistance of Australian Institute of Marine Science (AIMS) according to location and tidal influence, to complement other data collection sites throughout the Gulf of Carpentaria and around Australia.  The Project will enable the Applicant to purchase 7 x temperature loggers and 1 x reader.

Ranger Group	Title	Description
Indigenous Land Coporation - Fish River Rangers	Fish River Rangers' threatened species and biodiversity monitoring program	This project aims to establish a threatened species and biodiversity monitoring program on Fish River Station (FRS) that is specifically designed for use by the Fish River rangers. The Indigenous Land Corporation (ILC), which owns FRS, has instigated biodiversity surveys on the property in 2011, 2012, and 2013, including a 'Bush Blitz' survey and a Northern Territory Government survey. While these surveys provided data on the presence of key species, including northern quoll and black-footed tree-rat, they provided limited opportunities for the transfer of skills and knowledge to Fish River rangers.  Since these surveys, Fish River rangers have undertaken opportunistic surveys of the property's biodiversity. The ILC would like to establish a robust biodiversity monitoring program on the property that is designed specifically for use by rangers. It is proposed that wildlife experts/biologists experienced in working with Aboriginal people and rangers undertake an initial survey with rangers to identify key locations on Fish River that will serve as long-term monitoring sites. Following this, a monitoring program will be developed so that rangers can undertake the proposed program in a repeatable and, as far as possible, simple manner.
Demed Aboriginal Corporation - Adjumarllarl Rangers	DEMED Adjumarllarl Rangers Targeted Land Management: Fresh Water Bininj Mundbalk to Saltwater Bininj Mundbalk	This project's primary objective is to establish an effective Landcare management program within the FMC, Mt Boradale, Cooper Arm and Turkey Dreaming areas. These areas currently fall outside funding support. They have therefore not been targeted within the last five years despite the vulnerability of unique bio habitats which support threatened local and regional flora and fauna, and significant Indigenous social, cultural and historic sites. Monoculture invasive weeds, Mimosa Pigra, Mission Grass, Salvinia, Gamba Grass, Olive Hymenache and feral vertebrae species in these areas of concern require timely localized and sub-regional containment. This project will ensure the continual, recorded annual reductions in density, distribution and size of infestations and the protection of key environmental assets and habitats.  The second objective of this project is to provide the DEMED Adjumarllarl Rangers with opportunities for training which will enhance their capacity to undertake and succeed in local conservation practices and to transfer these skills and practices within their community. Fire Training for the Adjumarllarl Rangers will also allow DEMED to further develop a fee-for-service program undertaking early dry season burn off activities. First Aid Training by St John (NT) will ensure safer workplace practices.  This project is an exciting opportunity for co-operation between DEMED Aboriginal Corporation / Adjumarllarl Rangers and NT Weed Management Branch, Charles Darwin University Environment and Livelihoods Department, NAILSMA, AQUIS, ALFA, ILC Station and the Gunbalanya Meatworks. It provides links with conservation research projects at CDU, National, regional and Territorial projects with Weeds Management NT and allows DEMED to better support neighboring lease holders' efforts to control invasive species on their lands also.

Ranger Group	Title	Description
Arafura Swamp Rangers Aboriginal Corporation	Integrated feral animal and weed management in the Arafura swamp	Core to our Healthy Country Plan (HCP) are goals relating to the health of our country and identified in that plan are the key threats to those goals. High amongst those threats are feral animals and weeds, indeed they are a challenge for many land managers and now is a critical time in managing these threats.  Arafura Swamp is a significant jewel in the territory landscape, nationally listed as a wetland of significance in the National register of wetlands and on the National estate register. It contains a number of listed EPBC species and communities.  Increasing numbers of buffalo, pigs, cats, donkeys combined with weeds like Mimosa, Olive heymenachne and grader grass cause this incredible asset to be under threat like never before.  We know from some past surveys and what we are observing that the problems are at record levels, and we have some past plans for some feral and some weeds. It is in our HCP and the Working on Country (WOC) scope of works to undertake management of these threats. Current investment in this area is not enough What is lacking is a coordinated and targeted approach that brings together the expertise of ASRAC, NLC, NTG science and cultural knowledge to really deal with these problems. This coupled with a 5 year targeted effort we believe will be enough to bring these threats back under control.  This project will bring the partners together and exploit their combined knowledge to deliver an integrated feral animal and weed management strategy.  Central to the project will be a advisory group to provide the expertise and guidance on the plan. Membership will include ASRAC senior rangers, ranger coordinator, NTG (Weeds Branch, Flora and Fauna), Bush Heritage.  It will be facilitated by ASRAC and a appropriate expert engaged to collate the groups advice and write up the strategy.
Central Land Council - Karlantijpa North and South, Warumungu, Mungkarta and Wakaya ALT's	Strategic Fire Management in the Tennant Creek region	The project will allow three aerial prescribed burning operations on Karlantijpa North and South, Warumungu, Mungkarta and Wakaya ALT's during April 2018 – June 2019 in collaboration with Bushfires NT, Crown Lands and neighbouring pastoralists. The total project area is 65,000 square km. Priority areas for fire management activity will be identified through planning processes as defined in the Tennant Creek Fire Management Strategy (currently under development). The Tennant Creek Fire Management Strategy is a collaborative project, coordinated by the Central Land Council (CLC), with Bushfires NT and NT Fire and Rescue Services with funds provided by Territory Natural Resources Management (TNRM). This strategy An area of 28,650 square km within the project area has not burnt since 2014 and is in desperate need of some active management. This will be done using aerial incendiary burning to fragment fuel loads. The project will involve firebreak maintenance on the boundaries of Aboriginal Land Trusts using the Central Land Council grader operated by Rangers, or contractors if necessary. Aerial prescribed burning will follow the firebreak maintenance. Priority management areas will be defined through planning with the Warlu Committee meeting at a meeting in October 2017, Tennant Creek regional fire planning meetings in March 2018 and 2019, the extent of bushfires during late 2017 and extent of rainfall over the 2017-18 wet season. Project outputs:  Maintain 150km of boundary firebreaks in collaboration with Bushfires NT, Phillip Creek Station, Brunchilly Station and Crown Land portion 4469 using the CLC grader or contractors.  45 hours of aerial prescribed burning conducted by the Muru-warinyi Ankkul (MWAR) Rangers over priority areas within the project area as defined at regional planning forums in 2018 and 2019.

Ranger Group	Title	Description
Dhimurru Aboriginal Corporation - Dhimurru Rangers	Cultural Landscape Mapping - Port Bradshaw	This project will focus on the documentation and mapping of cultural information relating to the Port Bradshaw area of the Dhimurru IPA in NE Arnhem Land. A research team consisting of an Anthropologist, Traditional Owners and Custodians will work to review the accuracy of existing AAPA information and build on this to produce a comprehensive cultural map of the area, covering land and sea. Dhimurru seek to build upon previous cultural landscape mapping exercises that have been done in various areas of the IPA. Cultural Landscape Mapping involves mapping of areas with Yolngu place names and include sacred sites and other sites of cultural significance. Connectivity between sites is also recorded e.g. songlines, as well as any pertinent songs and stories relating to specific areas. This exercise also seeks to assess the likelihood of threats to individual sites, which will guide future management priorities. The project will partly consist of desktop research followed by site visits by the research team. The end product will be a detailed document and accompanied by a series of maps outlining place names, moieties, significant cultural sites, song lines and other cultural information. This resource will be highly valued for cultural management of this region, and also an important tool for intergenerational transfer of knowledge.
Northern Land Council	Land Management Projects for Improved Conservation Practices & Cultural Maintenance on the Wardaman IPA	The Menngen Aboriginal Land Trust is the Wardaman IPA's largest entity. It measures approximately 93 by 38 kilometres at its widest points and encompasses an area of approximately 2834 square kilometres. The proposed funding would enable the accomplishment of key objectives of the Wardaman IPA Management Plan 2014-2024, for Menngen ALT, as summarised below.  1. Achieve an unhindered operational range to effectively manage weeds, fire, biodiversity and feral animals by infrastructure upgrades.  2. Vastly improve cultural maintenance and protection from the present position, including mapping, and inter-generational transfer of knowledge by greater access to sites through infrastructure upgrades.  3. Develop land management capacity of Wardaman traditional owners and their employment potential through the work required to fulfill objectives 1 & 2.  Works to achieve these objectives are:  (i) Clearing and grading of many arterial tracks, largely impassable at present, for vehicular access across the entire land area of Menngen ALT.  (ii) Repairs to boundary fencing at key points to seal the present porous boundaries that would enable containment and culling of feral animals as well as dissuade the entry of poachers and illegal cattle operations.  (iii) Rock art sites cleared to reduce the threat of fire and smoke damage and, fenced for protection from feral animals.  (iv) Following improved vehicular access, Wardaman TO-rangers organize and lead cultural site visits for younger generation Wardaman, to extend the latter's cultural knowledge.
Northern Land Council - Yugul Mangi and Numbulwar Numburindi Rangers	Protecting Art and Culture: Aboriginal Rock Art Site Management - Yugul Mangi, Numbulwar Numburindi and PWCNT	The objective of this project is to undertake site conservation, recording, monitoring, training and interpretation at a selection of significant rock art and other cultural sites within the South East Arnhem Land Indigenous Protected Area (SEAL IPA) and a selection of significant culturally associated sites within the neighbouring Northern portion of the Limmen National Park. Rangers from Ngukurr (Yugul Mangi) and Numbulwar (Numbulwar Numburindi) who manage the SEAL IPA will collaborate with consultants and project partners to survey significant sites, perform environmental conservation activities and record and transmit cultural information to the next generation.  A major project partner will be the Parks and Wildlife Commission of the NT (PWCNT), PWCNT has undertaken rock art research projects in Limmen NP over the last 3 consecutive years 2015-2017. They have forged partnerships with regional Aboriginal custodians, archaeological and anthropological researchers from Flinders and Monash Universities (Yanyuwa ARC), independent expert consultants and with the Aboriginal Areas Protection Authority (AAPA). These partners are in a strong position to assist Yugul Mangi and Numbulwar Numburindi rangers through substantial experience and in-kind support in an extension of the project they are doing in Limmen NP.

Ranger Group	Title	Description
Tiwi Land Council - Tiwi Rangers	Towards an Indigenous Protected Area (IPA) on the Tiwi Islands	The Tiwi Land Council (TLC) agreed to explore the possibility of an Indigenous Protected Area (IPA) on the Tiwi Islands at their full council meeting on 14th June 2017. This decision was further supported at a TLC Executive Management Committee meeting on the 23rd August 2017, which also identified potential areas.  The Federal IPA program has been closed since 2014 but last year an additional \$15 million was announced for approximately eight new IPAs. Accessing this funding will be a highly competitive process, with preference to proposals that already have an existing IPA Preliminary Plan or Prospectus. The TLC does not have a Prospectus for its proposed IPA on the Tiwi Islands, and Commonwealth funding is unavailable to prepare one. The goal of this project is to prepare a Prospectus for submission to the IPA programme. Without it, there is little chance of a Tiwi IPA being considered.  The Prospectus will:  • provide confirmation that Tiwi Traditional Owners commit to an IPA;  • collate existing knowledge of Tiwi natural and cultural values, and their significance at international, national and regional levels;  • identify key threats to Tiwi values, and identify conservation opportunities, including the existing capacity to realise them; and  • support an application to the Australian Government's new IPA program round to be submitted before June 2018, potentially resulting in a full IPA plan and eventual dedication of a Tiwi IPA.  The project will be carried out by the TLC with support from Tiwi Rangers and consultants as required. Advice will be also sought from NT DENR with regards to the analysis of Tiwi biodiversity values.
Mimal Land Management Aboriginal Association - Mimal Rangers	Mimal Land Management - Rangers delivering on country to manage weeds, fire, ferals and keep culture strong.	Mimal intends to base 2 rangers permanently at Barrapunta, some 80 kms North-East of Bulman on the Central Arnhem Road. In order to achieve full functionality the Barrapunta Ranger Station requires reliable power and a basic office facility. Capital funds are sought to pay for this. ALFA(NT) Ltd will contribute \$40,000 towards the cost of the repairs to the solar system. Delta Electrics will undertake the work on the solar system. MLMAC will manage the project.  All Barrapunta based activity will link directly to overall Mimal Ranger work plans and programs administered from the Weemol head office.  Three specific activities we are seeking funding for are;  1. Integrated weed, fire and feral animal monitoring and management program  2. Rock art and cultural site conservation and management  3. Indigenous ecological knowledge conservation and intergenerational transfer  NT APRG money asked for is for capital and Indigenous experts

Ranger Group	Title	Description
NAILSMA	Indigenous State of the Region Report 2018- 2020	This project will identify, select and analyse agreed landscape health indicator data for the purpose of developing an independent Indigenous State of the Region Report (ISRR). This report will initally apply to the Top End Indigenous Estate of the NT (including islands) and is intended to pilot an approach which may eventulally be applicable across the NT. The project will address three Land Management and Conservation Fund activities: (1) Invest in people; (2) Monitoring and Evaluation and (3) Innovation. This will be achived by working with indigenous land management groups, scientists and agencies across the NT to select, coordinate and collate landscape scale management data and / or agreed proxies. By improving regional coordination of planning, operations and evaluation, the project will enhance local scale management activities and regional investment in Natural Resource Management.  This project will achieve:  • Development of the first Indigenous State of the Region Report (ISRR), including long trem trends useful for adaptive management, impoved policy choices and land management investor feedback.  • A coordinated and agreed approach to the selection and monitoing of a set of common environment health indicators, (e.g. fire, weeds, and feral animals) combined with agreed Indigenous indictaors.  • Alignment and incorporation of local management decisions with national priorities, (e.g. endangered species management and provisions of the EPBC Act).  • Enhanced skills and understanding amongst practitioners of habitat connectivity, planning and management.  • Strengthened partnerships between neighbouring land management groups to enable collaborative decision making and management responses.  • Development of a regional management framework that can be adopted by other non-indigenous land and sea management organisations, to respond to environmental threats.  The project directly acknowledges the role of Indigenous people to enhance conservation efforts, employ adaptive management strategies at a regi
Warddeken Land Management Ltd - Warddeken Rangers	Transforming Philanthropic Support into a sustainable funding source for Indigenous Land and Sea Management	The Warddeken and Djelk IPAs jointly established the Karrkad-Kanjdji Trust (KKT) in 2009 to build philanthropic support for our land and sea management work. Years of hard work have culminated in three years of considerable major-gifts funding supporting our programs, including \$1.09M raised in FY2017. Philanthropic fundraising is working and is having major positive impacts. We now seek to deploy our experience to grow that support to a higher and self-sustaining level.  Warddeken aims for philanthropy to provide more than one-third of our total annual revenue to support enhanced and more diverse environmental and cultural outcomes from our efforts.  Warddeken will contract KKT to collaboratively undertake key activities, including:  - Develop a best-practice major gifts fundraising program, engaging specialist staff to build strong relationships between philanthropy and Indigenous land managers at Warddeken and across West and Central Arnhem Land.  - Initiate a boutique Donor Stewardship Program with an 80% donor retention rate goal.  - Grow KKT systems and processes to align with the Fundraising Institute of Australia, ensuring that fundraising is effective and efficient at delivering funds to on-ground activities.  - Review and report our results to support other interested Indigenous land and sea management organisations.  As successful fundraising relies upon good relationship building, majority project funding will go towards employing specialist fundraising staff.  During the project's life, funds raised will support a wide range of natural and cultural resource outcomes. Whilst achieving these goals, increased fundraising capacity will secure philanthropic income to sustain KKT's ongoing capacity to raise funds.