



RANGER ACHIEVEMENTS 2014-2015

Warraberalgal (Warraber) Rangers

1. Community Involvement

- Every month Rangers work with local agencies and School visits to undertake Rangers activities e.g., tree planting day, Community clean-up day, NAIDOC day celebration.
- Schools and community members have been invited to participate in selected ranger celebrations IPA dedication.
- Rangers lead Clean-up Warraber Day together with Warraber School and Community of Warraber. Warraberalgal Rangers provided a Sausage sizzle for Students and Community members.
- Senior Ranger Pearson attended year 11 & 12 School Career Expo at Western Cape College, Weipa.

2. Weeds

- Weed identifications have been undertaken, with the assistances of Rangers using past experiences to manage weed outbreak in their Community, attend other Communities to assist weed projects e.g., Ugar Island (Leucaena) Dauan Island (Agave).
- Follow up work on weed infested areas previously managed
- Target weed Leucaena around the Community, single plants on road side are cut and sprayed.
- Rangers continue ongoing monitoring, treating seedlings and regrowth in the Community, distribute wood chip to Community garden and local residents for healthy living.

3. Traditional Cultural Knowledge

- Native trees - the use of native trees has been documented into the TEK system and has been labelled with scientific and common names for future identification and educational programs.

4. Traditional and Cultural Sites

- 86 site visits to manage and maintain cultural significant areas
- Cultural site maintenance (Ongoing) - Maintain sites
- Approval has been obtained through RNTBC, Elders & Traditional Owners but is awaiting Council approval. The Cemetery Beautification Project will involve GPS recording of historical sites while accompanied with a number of Elders. Mark Pearson has propagated seeds in Ranger nursery in preparation for this project and other materials have been received from the TSRA Land Team.

5. Coastal Management

- 6 garbage bags - Remove debris North/ West Green waste Sign.
- 6 garbage bags - Remove Debris South/ East Beach.
- 5 Garbage bags - Remove Marine at the water front North / West
- 7 garbage bags - Beach clean-up around the beaches of Warraber Island.

- 5 Garbage bags -Clean all beaches on the southern side of Warraber.
- 12 Garbage bags -removal of old cast nets.
- 4 Garbage bags -removal of rubbish Health Centre to Community wharf.
- 13 garbage bags and twice dump run with trailer full of rusty metal from old dump site.
- 2 trailer loads of Marine debris (old shed and posts).

6. Feral Animals

- Community Members reported a Redback spider outbreak on the western side of Warraber (water Dam) and the Senior Ranger developed a Community notice. Rangers and TSIRC's EHW have brought this problem under control by spraying insecticide in the area and burning the infected pallet that introduced this pest. There have been no further sightings / complaints for over a year now. Infested areas are monitored for any re-infestation, particularly the picnic areas.

7. Community Garden/ Native Nursery

- Rangers and My Pathway collect native plants seedlings for revegetation and education program, stored in Community nursery & Rangers green house.
- Assist Department of Agriculture specialists in pest and disease plant surveys.
- Working collaboratively with Regional Landcare to provide potting mix, wood chip and fertilizer to plant vegetable/ native plants, educate Community members to stay healthy.
- Ranger Mark Pearson traveled to Masig to join the Masigalgal Ranger group in reconstructing the Masig Community Nursery.

8. Marine Debris

- Remove Old Rubbish dump site North/ South.
- 6 garbage bags - Remove debris North/ West Green waste Sign.
- 6 garbage bags - Remove Debris South/ East Beach.
- 5 Garbage bags - Remove Marine at the water front North / West.
- 7 garbage bags - Beach clean-up around the beaches of Warraber Island.
- 5 Garbage bags -Clean all beaches on the southern side of Warraber.
- 12 Garbage bags -removal of old cast nets.
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- 13 garbage bags and twice dump run with trailer full of rusty metal from old dump site.
- 2 trailer loads of Marine debris (old shed and posts).

9. Training

- AILC Indigenous Leadership Training Cert 4.
- Renew Rangers First AID certificates.
- Trainee Ranger Billy attending Cert III CALM training at Murray Island.
- Joel Billy Attend Biodiversity Survey at Badu Island.
- Warraberalgal Rangers assisting Porumalgal Rangers with Cultural Site Fencing.

- Splatter Gun training at Darnley for Warraberalgal Rangers Mark Pearson and Aken Baragud.
- Senior Ranger Laura Pearson completed Cert IV Indigenous Leadership on Horn Island.
- IPA Conference in Sydney, Laura Pearson travelled to Sydney with Kelly Harrington.
- A/ Senior Ranger Supervisor Laura Pearson undertake Work Planner training at Thursday Island.
- Rangers TEK training on Thursday 25th Feb 2015, enter pictures, songs, stories and dance into TEK system.
- Senior Ranger Laura Pearson attended Supervisor Training at Thursday Island
- Trainee Ranger Billy, attended Shipboard Safety Skills Set (SSSS) training at Thursday Island

10. Native Vegetation and Animals

- Working collaboratively with our Elders, RNTBC, community members/groups to identify native flora and fauna for future records.
- Rangers and My Pathway collect native plants seedlings for revegetation and education program, stored in Community nursery & Rangers green house
- Assist Department of Agriculture specialists in pest and disease plant surveys
- Replanting revegetation (Kaikai) and native, plants in Islands within Warraberalgal & Porumalgal Indigenous Protected Area.

11. Coral Monitoring/ Water Quality


- Warraberalgal Rangers assisted Poruma, Masig and Mer Rangers to carry out coral monitoring in their respective sea countries in consultation with TSRA Sea Team.
- Sea surface temperature loggers in the Warraberalgal sea country have been changed bi-annually.
- Sand movements GPS marking, Closure of beach tracks to prevent disturbance of higher coastal vegetation.
- Sand Movements monitor, beach profile activities
- Senior Ranger Supervisor John Lynn conducted a refresher with Warraber Rangers to undertake beach profile activities.

12. Tourism and Visitor Management

- Rangers formally informed visitors (non - indigenous) of Cultural Protocols, Turtle and Dugong Management Plan and Cultural protocols limiting photos of sensitive sites within the Community and Warraberalgal Management Plan

13. Turtle and Dugong Management

- Catch monitoring of Turtle and Dugong within Warraber, Poruma and lama management Areas has been provided to Rangers has been resulted in useful data.
- Community newsletter/ Community Meeting has been undertaken to provide feedback and educate Community the importance of sustainable catch within Warraberalgal Management Plan



Simakal (Dauan) Rangers

1. Weeds

- Weeds mapped around township area.
- 12 weed species found.
- Photo monitoring of sisal hemp project area -10 hectares, invasive weed reported to Land Team for development of a priority weed mapping and eradication plan with trial plots.
- Rangers trained in weed control techniques including identification, chemical application, chainsaw use and chipper use on Ugar Island.
- Weeds maintained around Mekem Garden and 24 Cultural Sites.

2. Community Garden / Nursery

- Mekem Garden site was cleared for 2015 planting.
- Fire break installation around garden site, Fire break maintained around garden site, discussion with TSRA Land Team for 2015 /16 garden project and community awareness project.
- 50 Wongai trees planted around community and sisal project area, 10 hectares planted with 50 wongai seedlings at former Sisal Hemp Project Site.

3. Turtle and Dugong Management

- Catch monitoring returns supplied to TSRA. Worked with PBC on dugong catch video taken by PBC Chair, Liaison with TSRA around catch compliance issues, discussions with community members on dugong capture methods.
- Simakal Rangers hold regular turtle and dugong discussions with PBC and key hunters.

4. Traditional Cultural Knowledge

- Photos and video recordings undertaken.
- Photos of cultural sites.

5. Burning

- Rangers maintained fire break around community to protect houses.
- Rangers monitored bush fires on Dauan during dry season, Community enquiries to Rangers for installing fire breaks and monitoring community burns in early winter.

6. Native Animals and Trees

- Simikal Senior Ranger trained in mangrove and marine species identification techniques, mangrove transects, matching English names with traditional knowledge of plants and animals, using water quality monitoring equipment, wind measuring equipment, photo monitoring, recording mangrove survey data onto Ipads.
- Plans are being developed to protect significant habitats in rocky outcrops and macrophyl forests from invasive Manihot.



7. Community Involvement

- Regular turtle and dugong discussions with PBC and key hunters.
- Working closely with PBC for cultural site protection measures.
- 2 meetings with TSIRC, PBC and My Pathways.
- TSRA Member informed at 2 meetings on ranger progress.
- Community discussions about fire break maintenance behind houses and around garden site. Consultations with Traditional Owners about Cultural Site Sign installations
- Community public meeting and ranger awareness.
- Community notices for Turtle and Dugong Management Plan Review taken place and Torres Strait Dugong Sanctuary Extension.
- Community consultation through Ranger, PBC and TSRA meeting in June 2015.
- School visit conducted at Kabadul Kula with PBC and community elders.

8. Marine Debris – Sea/ Boat patrol

- Marine debris cleaned up around foreshore - 119 garbage bags collected.
- 24 days, weekly marine debris clean up around community beaches and 24 cultural sites
- 2 sea patrols, cultural sites monitored around back of Dauan, planning for cultural signs at 2 remote beaches at back of Dauan, 1 x Coxswains Certificate issued, 2 sea patrols to Saibai Mangrove Watch sites, 2 sea patrols to JCU water quality monitoring sites
- Tagai Dauan Campus beach clean-up at school foreshore after monsoon season.

9. Tourism and Visitor management

- 24 Cultural Site Signs produced under direction of PBC for installation at important sites for tourist and visitor awareness, Plan for community shelter shed and interpretive signage at Kabadul Kula, Tourism awareness of cultural sites through new interpretive signage installed.

10. Traditional and Cultural Significant Sites

- 22 Cultural signs developed through PBC support. Signs painted ready for implementation in Feb 2015, Cultural Site Signs installed at 24 cultural sites.
- PBC direction for protection of Kabadal Kula Cultural Site, Plan developed, fencing purchased for erecting in 2015, Cultural Site Sign Developed for 2015 implementation.
- 24 Traditional names for cultural sites documented and approved by PBC for Cultural Site Sign Project. Letter of Support supplied from PBC.
- 80 site visits for monitoring and maintenance of cultural sites, 24 Cultural Site Signs installed at coastal sites, monthly maintenance of 24 cultural sites, Kabadul Kula Cultural Site fencing completed and maintained, meeting with PBC and TSRA Board Member to plan for next stage of development with shelter shed and cultural interpretive signage.



Malu Ki'ai (Boigu) Rangers

1. Traditional Ecological Knowledge

- Cultural sites and Traditional mangroves species recorded.
- Malu Ki'ai PBC Cultural trip for swamp harvest in October also recorded.
- Initial site management measures through Cultural Site Sign Project in partnership with Traditional Owners, meeting with PBC to develop cultural protection site measures for sites threatened by township development in Boigu community area.
- Cultural sites project in October which signs were produced and placed on various sites.
- Community informed through Tagai Campus talks to school children, Community informs Rangers weekly on importance of cultural site protection measures.
- Rangers are recording TEK material in digital media and transferring into database.
 - 12 sites over 4 events - recorded
 - 20 species - traditional names of fish species recorded
 - 20 species - mangrove species and traditional names recorded
 - 10 species - Mangrove names recorded during climbing perch survey

2. Island plants and animals

- Malu Ki'ai Rangers completed
 - Feral deer photo monitoring in November - December 2014
 - Turtle tagging trips to Mizab Kawa in December 2014 and Warul Kawa Trip February 2015
 - 40 days - Mangrove watch along the shore line area, 360 hectares covered over the surveys
 - Three Climbing Perch Surveys in June and December 2014 and June 2015
 - 6 day Ranger participation at Saibai mangrove watch project installing 2 transects.
- Malu Ki'ai Ranger weekly talks with Tagai School classes focusing on traditional names for local plants and animals, production of Boigu Invasive Species and Climbing Perch

3. Weeds

- Malu Ki'ai Rangers trained in weed control techniques including identification, chemical application, chainsaw use and chipper use on Ugar Island, Job Safety Analysis for chainsaw, chipper and whipper snipper implemented at Boigu, Rangers training in chemical application for weed control
- Malu Ki'ai Rangers Mapped and monitored over 2,100 hectares of land in 14 events which included:
 - 6 days - Monitor weed and plan to eradicate
 - 6 days - Monitor weeds around the community and cemetery area
 - 8 days - monitoring Leucaena
 - 10 days - monitor weed infestation at Boigu cemetery.
 - 2 days - monitor weeds and mapping.

- Seawall monitored in foreshore clean up, Cemetery weed control along foreshore completed in June 2015 with My Pathways participants, photo monitoring of Boigu Jetty erosion in May 2015, Photo monitoring of erosion at eastern end and of Boigu seawall and reported to TSRA Climate Change Group in May 2015.
- 93 hectares over 30 events - Leucaena removal from all Boigu sites in partnership with My Pathways participants, Leucaena removed from Boigu Cemetery and seedlings treated with chemical control, Community hall site completed in December 2014 with chemical follow up in early 2015, Airport site 1 and 2 completed in May 2015 with chemical control follow up, Airport site 3 commencing in August 2015

4. Feral Animals

- Climbing Perch Survey in June and December 2014 and June 2015, feral deer photo monitoring program underway.
- 12 days - monitor feral animals (Deer, cat, dog, and climbing perch) including tracks, movements, water holes and swamps
- 14 species found at different occasions (cat, deer, wild dog, climbing perch and rusa deer.)
- Total of 1100 hectares throughout the surveys, Rangers surveyed creek system as key climbing habitat in November 2014 with over 200 climbing perch collected,

5. Turtle and Dugong

- Turtle and dugong meetings arranged, school talks delivered, Turtle and dugong Management Plans handed out to hunters and community members.
- 230 people - Consult individual hunters and relevant stakeholders under plan management plan arrangement
- 19 meetings - catch monitoring, meeting with hunters, community awareness of waste on beaches.
- Community informed weekly on turtle and dugong remains being left around foreshore, PBC and TSIRC Environmental health Officer informed regularly of those leaving turtle and dugong carcasses on community beaches

6. Crocodiles

- Community informed on crocodile issues around foreshore and swamps.
- 22 days - Monitor croc movements along foreshore and swamp, discuss sightings with community members. Monitor shoreline and consult with community members to gather information
- 7 reports - provided to community and relevant stakeholders
- Warning sign were made in October 2015, verbal warnings given to community members and PBC on crocodile sightings around foreshore and around inland swamps.
- Monthly Tagai campus talks to school kids on croc awareness around Boigu foreshore.

Rangers to mapped nesting areas and install mater monitoring equipment in crocodile habitat in 2015/16.

7. Marine Debris

- Marine debris has been cleaned up weekly and reported to TSIRC.

- 3 Ghost nets identified at Red Sand Bank, large marine debris removed from community foreshore
- 301 garbage bags over 27 events - marine debris and rubbish clean up.
- 63 days - patrol foreshore for marine debris, remove debris and take to the dump
- 27 reports - produced for TSIRC EHW and supervisors, Community reporting of Ghost Nets on 3 occasions to Rangers, Rangers retrieved 13 metre ghost net from Red Sandbank in May 2015, Press release developed for Southern Media and Torres News, 10 tonne ghost net recorded on Red Sand Bank in June 2014 later recorded by Coast watch at Warul Kawa IPA in October 2014, AMSA call for tenders to remove however ghost net was refloated before successful salvage attempt.
- Community and Tagai Campus participation in beach clean-up days, Weekly discussions with community members around Boigu foreshore on marine debris as part of foot patrols.

8. Community involvement and research

- Community, Traditional Owners, TSIRC and Tagai Campus informed on Ranger Work Program and on-ground projects.
- 4 presentations - present ranger activities at public meeting
- 3 school activities - 180 participants in total. Presentations at school for students teachers and parents.
- Meetings held with My Pathways, Traditional Owners, TSIRC and Elders at beginning of Annual Work Program, upcoming projects, project completion outcomes and findings.
- Weekly Tagai campus talks to school kids on crocodile awareness, marine safety, exotic marine species, traditional and cultural names for local plants and animals. December 2015 presentation to Tagai Boigu Campus included Marine Safety with the children being handed a life jackets and Climbing Perch Awareness,
- Community notices placed on notice boards informing of upcoming Climbing Perch Surveys x 3, Turtle and Dugong Meetings, Working on Country Plan, Torres Strait Fisheries Management Review community meeting.

9. Traditional and cultural sites

- Traditional Owner nomination for sites to be protected. Rangers given letter of support from Traditional Owners for Cultural Site Project. Malu Ki'ai Rangers produce signs in October 2015.
- 9 events covering 31 sites - patrol and maintain cultural sites, regular reporting to PBC on cultural site protection measures.
- 1 formal meeting with PBC on TEK projects and cultural site protection measures for township area.
- 1 meeting with PBC for Warul Kawa Indigenous Protected Area cultural heritage issues.
- 20 days for Boigu cemetery clean up in coordination with PBC, My Pathways and community elders.
- 2 cultural sites in community area cleaned of Leucaena.
- Community informed through Tagai Campus talks to school children, Community members informed Rangers weekly on importance of cultural site protection measures.




10. Coastal and Waterways Management

- Maintain all beach access points are accessible by community.
- Monitor tidal inundation around community (3 sites assessed 7 times covering an area of 50 hectares)
– Cemetery, jetty east end of the community.
- 47 land patrols undertaken
- Swamp patrols and secret sites together with TO's
- Land and Swamp Patrol - general surveillance, weed identification, animal survey, degraded sites, patrol by foot and vehicle
- Land and Swamp - Thuruk / Ngaukazil Gawath for community harvest ceremony.

11. Burning

- Malu Ki'ai Rangers have planned and attended fire management workshop in October 2015.



Mura Badhulgau (Badu) Rangers

1. Traditional Ecological Knowledge

- Several cultural sites have been mapped. More surveys have been planned.
- The Mura Badhulgau Rangers have developed a plan of management of all mapped cultural sites with input from traditional owners and community.
- All traditional and cultural sites that have been identified by Traditional Owners are maintained. Fencing has been completed on cultural sites such as Gaubath, Kothaid, Yaza, Gobba and Garaz. Sites visited and cleared where Gobba, Garaz, Gaubuth, Kothaid and Delalbibi.
- Cultural knowledge is being recorded and upload into TEK database. Recording of songs, stories, language, history and traditional cooking methods.

2. Island plants and animals / land patrol

- Mura Badhulgau Rangers with the assistance of surrounding rangers groups from Mabuiag and Mua completed a biodiversity surveys around Badu which included animal surveys and trapping program. Several new species were recorded and added to the current lists of flora and fauna existing on Badu.
- 30 Land patrols where undertaken including bush walks, check all roads leading out to camp sites, cut and cleaning areas around swimming holes and cultural site (Thurpae, Serrip and Gobber).
- Mura Badhulgau Rangers have been collecting native seeds and plants and are working with TAGAI College and community in the process of identifying relevant sites to plant them. During October 2014 several fruit trees were planted in collaboration with the TAGAI College and traditional owners.
- Mura Badhulgau Rangers have mapped the disturbed areas around Badu for ongoing monitoring and future revegetation projects. The information is provided to the RNTBC and community.

3. Weeds

- Mura Badhulgau Rangers completed training in weed management in October 2014 and weed infestations have been identified and mapped. Three areas that were identified with weeds have been removed.
- Mura Badhulgau Rangers are developing a brochure and are working with RNTBC and relevant stakeholders to finalise the brochure.

4. Feral Animals

- Mura Badhulgau Rangers conducted many land patrols during the year. Several species have been identified and the Mura Badhulgau Rangers are working with TSIRC in determining and developing an appropriate control program.
- Mura Badhulgau Rangers assisted the TSIRC in reducing dogs which included awareness raising of the feral dog control program and feral dog identification.



5. Turtle and Dugong

- Mura Badhulgau Rangers have visited the local school to undertake educational activities. Monitor Dugong/ Turtle Harvest (Morning/Afternoon) and Public Relations as per T & D Management Plan.
- Mura Badhulgau Rangers conducted 4 sea patrols and continue to undertake drifting surveys within the Badu dugong and turtle management area to determine the foraging turtle populations.
- Rangers have undertaken scheduled sub tidal seagrass surveys in the dugong sanctuary with JCU researchers. Nine sites were surveyed and twenty photos taken
- Accurate Dugong and Turtle Community Activity Reports have been completed.

6. Crocodiles


- Mura Badhulgau Rangers have distributed notices throughout community raising the awareness of problem crocodiles.

7. Marine debris / beach patrol

- Mura Badhulgau Rangers conduct sea patrols once every month this year to conduct surveys around Badu and surrounding islands for marine debris, dugongs, turtles, turtle nests and feral animals.
- Mura Badhulgau Rangers have notified TSIRC on two separate occasions of illegal dumping.
- Sea and Beach Patrols included
 - Beach Survey for clean-up.
 - Marine Debris/Ghost Nets- check beaches around Badu.
 - Inspect/monitor area near Sewage Plant outlet- Check if run-off is not affecting the health of Mangroves, Flora and Fauna.
 - Clean-up Marine Debris found on Beaches and in Mangroves.
 - Put up Croc Signs.
 - Record Data.
- Joint patrols were conducted on three occasions with DAFF Biosecurity during the year specifically looking at exotic plant diseases and introduced pests.

8. Community involvement and communication

- All six week plans are sent to relevant stakeholders.
- A Mura Badhulgau Ranger attends the monthly interagency meeting.
- Several community notices have been distributed regarding dugong and turtle management, research activities and warning of crocodiles.
- School and community members have been invited to the 'Badu Clean Up Day' and the Badu Tree Planting Day at the local primary campus. Community members have also participated on training activities hosted by rangers.
- Mura Badhulgau Rangers have visited the local school to undertake educational activities




9. Visitor Management and Research Support

- Mura Badhulgau Rangers inform visitors of cultural protocols and community rules.
- Mura Badhulgau Rangers participated in flora and fauna surveys in May 2014

10. Burning

- Badu has a Fire Management Plan however; TSRA fire strategy has been developed.



Ugaram (Ugar) Rangers

1. Traditional Cultural Knowledge

- The ranger will also print out language hymns which will be distributed out through the community, and when community have certain gathering they all come together to practice and are sometime taught these hymns for the first time. The ranger also captures valuable information through recordings/ video files of community events for future knowledge. Rangers are working with school children at the school nursery garden by assisting children on using the traditional & culturally way of planting native plants and fruit trees we also teach them when the right time to plant according to the correct season. Rangers are also showing the children traditional & cultural signs that have been passed down through generations are reflecting to our season, for example. Trees flowering & dying, Fish in fish trays, Land & Sea Bird movements, Stages of the moon, Sea & Tide levels, etc. These seasons significantly mean that different cultural events & signs will start to occur and show.

2. Native plants and Animals

- Ranger Supervisor and Ranger Staff are planning to undertake baseline weed mapping data for exotic species on the island in Feb/March 2015. Senior Ranger and Ranger Supervisor undertook mapping of 42 Leucaena sites during the Phase 5 Ugar Leucaena Project. These were mapped

3. Weeds

- Weeds are an ongoing issue often involving 5+ year programs. Ugar has removed, through large projects, the remaining stands of mature Leucaena on the island in September 2014. Follow up work and systematic weed control is occurring to keep Leucaena down and start control and management of other species. Ranger Supervisor and Rangers will carryout baseline weed mapping for the whole island to check species, density and populations for future management.

4. Feral Animals

- There were some biodiversity studies conducted on nearby Nepean islands, where there were feral cats sighted. There is a plan to get back to these islands and carry out feral animal control to remove feral cats and preserve native fauna in the future.

5. Turtle and Dugong Management

- Rangers have undertaken weekly dugong and turtle catch data monitoring for the sea team analysis. Ranger has also been involved in the turtle nesting surveys on Dauar in November 2014, and Ranger planning to participate in the upcoming Dauar hatchling Surveys in Feb 2015. Ranger has been involved in, and participate in school activities both on Darnley island, and whilst visiting at Murray island with the other ranger groups. Informal conversations during school activities have occurred on Ugar in relations to turtle and dugong as well.



6. Marine Debris

- Uninhabited Island surveys occurred in June 2015 for Campbell, Nepean and Dalrymple Islands. A total of 145 bags of marine debris was removed from Campbell Island with approximately 10hrs work from 6 staff to complete. Some small nets and rope were also removed. There was no illegal activity observed during this period.
- Rangers have undertaken four larger beach patrols involving the school children, and support from Ibis manager, Queensland health and regional council. All marine debris are collected and taken to the local council waste disposal area.

7. Community Involvement

- My Pathways participants have also been involved with joint activities with the ranger group, including cemetery clean up, beach clean-up support. Some community members / traditional owners have been on land patrols with the rangers when walking to remote areas.
- School garden irrigation completed and worked with school children to plant seedlings.
- Rangers are educating & showing the school children how to clean and maintain their garden bed daily so it stays clean for a healthy food growth.
- Rangers are educating & showing the school children how to plant fruit trees & native trees at their school garden bed. This program the Rangers are doing will help & give the school children a good knowledge of Ailan Kastom by planting by the right months and right seasons. Once harvest the children will then use food to cook for their school events or any Island celebrations.



Mura Bway (Saibai) Rangers

1. Island Plants and Animals

- Over 50 Vehicle and foot patrols were conducted around the community including 14 vessel patrols around Saibai and Dauan.
- Climbing Perch survey, 3 x feral deer photo monitoring surveys, 2 x Mangrove species identified for further identification.
- Two mangrove transects were installed at Saibai, traditional marine plants, animals and invertebrates surveyed and recorded.

2. Weeds

- Rangers trained in weed control techniques including identification, chemical application, chainsaw use and chipper use.
- Weed control measures for Leucaena around 3 cultural sites and Ranger shed implemented.

3. Feral Animals

- 3 x Climbing Perch Surveys completed, 3 x Feral deer photo monitoring completed, 36 days monitoring feral animals outside of community in the swamps, fence purchased for Mekem Garden Site to manage feral deer access, JCU Climbing Perch website including TSRA climbing perch video with worldwide coverage in June 2015, Climbing perch video produced for BBC Children's Television.

4. Community Garden / Native Nursery

- Mekem Garden Project site mapped, Approvals for fencing and shed on site, Draft Mekem Garden Plan prepared with My Pathways for site management and community involvement, monthly maintenance and weed work at site, 6 community meetings to discuss of community involvement and installation of assets, storage container located onsite, hand tools and maintenance equipment purchased and stored on-site
- Discussions with Tagai College - Saibai for development of native food plants at school garden

5. Turtle and Dugong Management

- Weekly turtle and dugong community meetings with key hunters, Monthly Tagai Campus talks on turtle and dugong management, dugong netting compliance issues at Kagar and Sark discussed with TSRA, AFMA, Australian Navy and Queensland Police, Saibai Turtle and Dugong Plan Review Meeting with Traditional owners and PBC, Saibai Turtle and Dugong Plan handed out to community members in weekly foot patrols.

6. Marine debris

- 50 garbage bags - shoreline clean up. Monitor community beaches for debris in consultation.




7. Community involvement

- Community informed weekly of Ranger operations, Projects, turtle and dugong management arrangements under Saibai Plan.
- 24 school activities with Tagai Saibai campus,
- Community members and Traditional Owners involved in Cultural Site Sign Project, December 2014
Tagai Marine Safety Project resulted in each child receiving a free life jacket.
- 12 school activities including cultural language and garden talks - 30 participants each activity over 12 months, 3 x Invasive Species Climbing Perch talks with JCU scientists, 1 x Climbing Perch Talk for BBC Children's Program at Tagai Saibai Campus, 6 meetings with Tagai Saibai Campus for work program

8. Cultural and Traditional Knowledge

- Rangers have recorded 3 interviews with Traditional Owners about importing cultural sites and need for protection measures, Traditional knowledge recorded for mangrove plant, animal and invertebrate species, plan to extend cultural sign project to sites around community township, recording of cultural knowledge for marine species in climbing perch surveys x 3, traditional gardening techniques discussed with Community Elders for inclusion in Mekem Garden Project



Meriam Gesup A Gur Keparem Le (Mer) Rangers

1. Island Plants and Animals / Land Patrol

- Rangers have recorded traditional plant and animal names from the elders. Put into the land teams poster. Traditional owner John Gabeh took the rangers and showed them native flora.
- Rangers assisted with the biosecurity staff from DAF, when they were on Mer checking pest plants and disease on the islands. Ranger's also assisted with the two week dog control program on Mer, alongside the Land Team and Vet's from Katherine.

2. Weeds

- Weed control is an ongoing project. Rangers are consistently conducting weed control in the field, and some of the bigger sites were removed during the Chainsaw and Chemical handling training. A more systematic and strategic approach to weed management will evolve after the Rangers have a baseline weed map for their island.

3. Feral Animals


- Mer Dog Control Program was conducted for two weeks in September, 13 dogs were removed and also 3 feral cats. Rangers are constantly monitoring for feral or domestic dog incidents with native fauna, including turtles.

4. Turtle and Dugong Management

- Ranger collect turtle and dugong catch data on a weekly basis. These reports are sent into the sea team for collation. Monitoring and research has occurred in November with a turtle nesting surveys, using new techniques from the Townsville Workshop. Rangers have also had a school lesson on turtle and dugong, and the relationship they have with the seagrass beds around the island. Rangers informally talk to the hunters on the beach about the management plan. Community members visit the office and read the plan. The Mer/Dauar community has closed 2 beaches off from the harvesting of turtle nests.
- Through research, rangers and researches are aware that we have a healthy turtle and dugong population. Ongoing monitoring will ensure that we can identify if there are any emerging issues into the future.

5. Coastal management / sea patrol / beach patrol / mangrove watch

- Rangers have completed 7 beach marine debris clean-ups around the Murray Island Region, focusing on different beach locations.
- A beach clean-up was also conducted on Dauar during the turtle nesting surveys in November.
- 10 garbage bags - 3 garbage bags - beach clean at Dam to Las 100m of beach.
- Rangers have involved the school children in a beach clean-up activity in November before the school holidays. 27 full Tangaroa blue rubbish bags were removed. Rangers are planning the next beach clean-up with the school children for this six month period.

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- Rangers are informally conducting erosion monitoring on a weekly basis. Rangers have just recently established permanent erosion monitoring sites in conjunction with the Coast and Climate Team. Green waste has been used in the interim as some erosion control measures. Three photo monitoring sites set up at Gigo, Babud, Laiwad.

6. Community Involvement and Communication

- Informal meeting with community members are occurring frequently, and formal meeting with PBC Chair have occurred to update on ranger program. Rangers will ensure that regular 3 monthly community meetings start to occur to inform the community of their program and progress.
- Rangers have completed a Sea Grass talk on the school campus with the children, and also conducted a school talk on the importance of disposing of rubbish and waste correctly on a small island.
- Rangers have completed and placed out 5 community newsletters including, notice on the following: turtle and dugong, Dauar nesting surveys, feral dog program information, my pathways chainsaw and chemical handling training notice, sea grass watch.

7. Traditional and Cultural Sites

- Rangers have conducted intense cemetery clean ups on three occasion in the last 6 months. Eddie Mabo grave Cleaning and polish, Collection of traditional of native flora and fauna from elders, Collection of traditional stories, Involvement traditional community events Mabo day, 1st July, School NAIDOC, School visit teaching weaving.

8. Burning

- The TSRA Fire Management Policy has just been completed. This will greatly assist the rangers in fulfilling this task. Community meeting and discussions with PBC will occur to determine some guideline and direction from traditional owner on fire management.



Porumalgal (Poruma) Rangers

1. Weeds

- Weed infestations have been mapped on Poruma. Leucaena, snakeweed, caltrop and lantana infestation have been controlled with an aim of eradication of these pests.
- The weed management is included in all six week work plans. Rangers are doing follow up work on already cut areas.
- Monitor Leucaena, cut and treat with round up.

2. Traditional Cultural Knowledge

- The Community Cultural plan has been developed. Ranger involvement and links to the Working on Country Ranger Plan were included.
- Rangers took a Porumalgal elder to confirm actual boundaries of the Cultural Site on Poruma.

3. Coastal Management

- Rangers have taken photos and Conducted beach profile survey on designated areas.
- Four beach profile monitoring sites have been installed on Poruma (N,S,E & W aspects) and these are measured every 2 months and information passed on to TSRA Climate change Manager.
- Sea level and storm surge impacts are being monitored using Beach Profile Monitoring survey techniques by Rangers.

4. Turtle and Dugong Management

- Rangers consult with hunters on a daily basis around T&D Management Plan priorities.
- Rangers have attended 1 Community Meeting to discuss the same priorities like removal of waste after the processing of the meat.
- Rangers continue to measure T&D and record on data sheets. Data sheets are sent to TSRA/LSMU at the end of the week.

5. Crocodiles


- There were no crocodile sightings in this reporting period. Sightings are seen of crocodiles in the Northwest Winds time of the year in December or January.

6. Feral Animal

- Rangers have been trained in Animal Monitoring methods on the IPA Biodiversity trip.
- No surveys undertaken this year as there are no issues within Poruma community.

7. Traditional and Cultural sites

- 52 land patrols undertaken to monitor community Rubbish tip for any Turtle and Dugong wastes, also check around the community for any T&D wastes especially in traditional cooking sites.

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- Rangers assisted in the manufacturing of the Cultural Dance equipment and they also took photos which will be archived in language database.

8. Community Involvement

- Rangers have taken TOs / Poruma RNTBC members along to cultural sites maintenance activities. And always invite Elders, TOs / Poruma RNTBC members to give their input on ranger activities and direction.
- Rangers in gauged in School session on Land and Sea Program and activities
- Continuation of Tangaroa Blue Project, beach clean with students.

9. Community Garden/ Native Nursery

- The Garden and Nursery has been established in the Poruma Ngurpay Lag (School) Rangers have assisted students in preparing the garden, in harvesting, planting, repotting and propagation and maintaining it, e.g. watering and general cleaning.
- Poruma Island Men's Group utilised soils from bulk bags provided by Rangers.

10. Native Plants and Animals

- Rangers have also been involved in several biodiversity surveys (2014 and 2015) on IPA islands that have refreshed techniques and practices relevant in these fields. Two trainees have received formal training during their participation in Badu biodiversity training.
- Rangers monitor critical habitat areas and report unsustainable practices to PBC who usually deal with landholders or alleged perpetrators directly.

11. Marine Debris / Beach Patrols

- No ghost nets found only small pieces and sections found.
- Collection of rubbish and litter on beach, remove any marine debris.
- 16 - Beach patrols undertaken.

12. Tourism and Visitor Management

- When visitors or tourists arrive at Poruma, PBC welcome and give advice on cultural protocols such as photo taking and where to walk around island.



Masigalgal (Masig) Rangers

1. Traditional Cultural Knowledge

- The TEK system was recently expanded to Masig so Rangers can capture and record Traditional Ecological Knowledge.
- Rangers have completed a seasonal calendar in conjunction with PBC and elders for what plants are flowering and fruiting for each month of the year, in traditional names. Approval signature from PBC has completed the task, and these seasonal calendars can now be distributed amongst the community and used during school activities and NAIDOC week.
- Masig Ranger has gathered and collected native seeds and plants and sat down with elders to discuss traditional names and what the plants/trees have been traditionally used for.

2. Traditional and Cultural Sites

- Masig Rangers regularly maintain three major sites, including the coming of the light monuments and the cemetery. The rangers conduct clean ups and maintenance of the cemetery site and coming of the light monuments and routinely patrols these areas on a weekly/fortnightly basis. The Rangers have been informed from elders to locate new burials sites on Masig and then provide feedback and also include these sites in their routine cultural maintenance plans.

3. Weeds

- Masig Rangers were the first island in the Torres Strait to conduct weed mapping. Rangers had mapped 235 individual weed sites comprising of a wide range of weeds covering over 3/4 of the island.
- Currently the Rangers generally focus on Leucaena and Castor oil, however, with community consultations, Rangers may look toward control of other major species including Agave, Snake Weed, Glory Lilly and Lantana.
- The community hand pulled some 48 garbage bags from roadsides and houses throughout the community. This was followed up with a community BBQ.

4. Turtle and Dugong Management

- Rangers have installed two turtle and dugong management signs, one at the boat ramp, and one at the main road northern side of the island. T&D management and reporting occurs on a weekly basis.
- Rangers participate in a fisherman's meeting then they inform the community/fishermen of the recent catch data.
- Rangers have also discussed with school kids and community about the importance of not disturbing nesting sites. Rangers regularly gained feedback from hunters on their activities as well. Rangers have distributed two community notices including one on Turtle Hatchling Story, and also Education about harvesting of turtle eggs.
- Ranger from Masig assisted in the Dauar Turtle Nesting Surveys in November and also spent one day traveling around Koedal and Masig Islands mapping turtle tracks with GPS.

- Masig Rangers fenced off a green turtle nest on 2nd March 2015, and then counted and ensured safe release of hatchling when they hatched on 25th April. A community notice was distributed for this, and also made it into a media release and Torres Newspaper. Rangers prepared a school activate slideshow on T&D

5. Coastal Management

- Rangers conduct regular beach patrols and clean ups along the Masig and Koedal foreshores. Rangers do not generally find ghost nets, however, do come across large amounts of ropes and float which have be donated to the local fishermen / hunters.
- Rangers began some work at the school garden, including soil testing with my pathways, and the newsletter completed by the rangers had information in regards to all the aspect of community gardens, soil health and quality. Rangers had worked with My Pathways to also plant and establish fruit trees down at the airport area.
- Masig held a Mekem Garden workshop for the community and rangers with assistance of Landcare Facilitator. Rangers are in the process of looking at options for a bigger, future community garden.

6. Community Involvement

- Rangers have installed 10 community notices on the notice board, including; 2 notices for the Masig Clean-up Days, Notice for TEK meeting, Turtle Hatchling Notice, Turtle Egg Collection Notice, Marine Coxswain notice on behalf of AMSA, TSRA leadership program notice, Mekem Garden Workshop Notice, Mother Well Nursery Update / newsletter, Notice on behalf of Fisheries.
- Masig rangers regularly provided feedback to community members through not only community notices, but informal meeting, discussions with PBC and community members.
- Rangers assisted the school and the children in planting and assisting with the establishment of new garden beds.

7. Community Garden

- Ranger Mekem Garden Workshop on Masig Island. Ranger staff were involved and assisting George Saveka's Project and facilitated community weed and clean-up day
- Masig Ranger have gathered and collected native seeds and plants and sat down with elders to discuss traditional names and what the plants/trees have been traditionally used for.

8. Disaster Recovery

- The major storms are about to occur in the next few months, with strong NW winds and king tide events. Storm affected areas from previous years are still being maintained and revegetation being monitored.
- Masig Rangers have been undertaking large site revegetation. Over 200 coconut plants have been planted in the past 6 month period, and approximately 90 pandanas and around 15 other native plants. Masig nursery has been involved with large numbers of propagations and seedling activities. A total of 1252 native seedlings / seeds have been propagated.
- Rangers have also been involved in the annual disaster plan for Masig.



9. Feral Animals

- Rangers had been involved in setting cat traps on previous biodiversity studies.
- Geckos are one feral animal that they had identified which we can follow up on in the next 6 months.

10. Seagrass, Water Quality, Coral Monitoring

- 4 permanent, long term Reef monitoring sites were establish in April 2015



Erubam (Erub) Rangers

1. Island Plants and Animals/ Land Patrols

- Rangers have identified that there are emerging issues with feral cats and dogs that may be affecting our shoreline resources, Community members and turtle nesting.
- Some native seedling have been collected by the Rangers, and propagated in their nursery. This will be increased in the next 6 month period. Seeds from native plants are regularly found during the rangers land patrols.

2. Weeds

- Rangers carried out mapping of all weed infestation on Erub and have taken photos.
- 120 different sites mapped for weeds throughout the community. Rangers has done a baseline weed survey on Erub and have marked out the amount of 808 different weeds on the Island so far and still have a fair bit of country to cover. This is also done when Rangers are on land patrols.
- Rangers have been trained and involved with splatter gun control methods to start to control Lantana on Erub. The Rangers were involved in a week long training and control program on Erub Lantana in August. With the proposed islands weed mapping, the rangers will have a better grasp on the whole weed issues, and also can start to target other weeds of significance in their community and island.

3. Feral Animals

- Rangers have been aware of feral dog activity outside of the community and are concerned. Rangers inform TSIRC when feral animals are seen, and these also include issues with domestic dogs.
- Rangers regularly update the community via the radio station if there are dog related issues emerging.
- Rangers have sighted feral cats on land patrols and are aware of feral cats on Nepean and Campbell Islands from biodiversity studies carried out last year. Rangers cannot trap feral cats until TSRA has policy for feral cat/dog disposal.

4. Turtle and Dugong

- Rangers have been involved in the recent trips to Maizab Kaur, for the turtle nesting surveys. Information has been fed back to the community upon return from the surveys in the form of a community meeting.
- Rangers complete weekly dugong and turtle data sheets and the information is sent to the Sea Team. If a hunter finds a turtle with a tag, the rangers will send this into the sea team, who will forward onto JCU scientists, and then they will provide feedback to the rangers, to pass onto the hunter about the turtle's history, and catch data.
- Rangers provide monthly feedback to the community on what has been taken by hunters. Rangers also provide feedback via the radio station.
- Rangers and researchers are aware that we have a healthy turtle and dugong population. Ongoing monitoring will ensure that we can identify if there are any emerging issues into the future.
- Turtle Hatchling Success surveys at Maizab Kaur with Sea Team Maizab Kaur trip - December 1st - 9th 2014 (Boggo) - Turtle Nesting Surveys.



5. Coastal Management/ Sea Patrol/ Beach Patrol / Mangrove Watch

- Rangers have completed beach cleans ups with the school students in August from Isem to Sadi. Rangers have also completed beach clean-up with assistance from My Pathways participants.
- 200 garbage bags - Uninhabited islands surveys, in conjunction with Erubam Rangers, Ugaram Rangers and Masigalgal Rangers. The rangers live aboard a vessel and travel between Erub, Nepean, Campbell and Dalrymple Islands.
- 6 garbage bags - Patrol of Erub
- Erub ranger regularly provided feedback to community members through not only community notices, but informal meetings, discussions with PBC and community members, regular feedback and discussion on the local radio station (usually weekly on Monday and Friday). If there are any shoreline related issues, the rangers will include these in the forum.

6. Community Involvement and Communication

- Rangers carry out the "Ranger Update Meetings" every three months in the community and provide feedback about what has occurred, what is coming up and also receive feedback from the community.
- Rangers have displayed their weekly plans up on 3 notice boards in community at IBIS, TSIRC & Rangers office for their work being carried out throughout for each week. So that the community is kept updated to the Rangers program.
- Community Newsletter re Erub Lantana Project August 2014 to entire community.
- The Erub Rangers have put out regular turtle and dugong notices to inform the community hunters of their limits and what to do with their off cuts and waste. Notices for the boat blessing on the 29th November. Notices for the Erub Lantana Project before the project began, and follow up community meeting after the project. Community notice for the Maizab Kaur turtle surveys in December and follow up community meeting on the day of departure and of return. Rangers regularly put up community notices if members of TSRA or other stakeholder are visiting the island.
- Rangers are involved every Friday with the school activities day
- They assist with Traditional & Cultural way of planting native plants & fruit trees according to the right seasons, Turtle & Dugong education, Baseline of what Rangers do to look after the resources and environmental aspect of the Island.

7. Traditional and Cultural Sites

- Rangers carry out inspections and maintenance on the cultural sites weekly. Every two to three weeks, more intense maintenance, cleaning, grass cutting occurs. Rangers have identified some weed control required at Edgor Awak , and planning to carry out this work shortly. Rangers are awaiting approvals from PBC to carry out maintenance on the local water wells.
- Rangers understand and carry out cleaning & maintenance on known cultural sites (Edgor Awak), (Clubs Sharpening Stones), (Cemetery) - (Kemus & Duke of Edinburgh monument). Other cultural sites have been identified and Rangers are awaiting the appropriate approvals to include these into their cultural management program.

8. Burning

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- TSRA currently completing fire management policy. Rangers have discussed implementation of the Erubam Fire management plan

9. Community Garden and Nursery

- Erub Rangers are sharing and assisting with the My Pathways Nursery. The rangers are waiting assistance from the Regional Landcare Facilitator to assist, guide and direct the path the community garden project by revisiting Erub to consult with TO's and PBC again just to go through and update on where were at with the Community garden Project. Rangers already have approvals from TOs and PBC for starting a new community garden, and are currently collecting native seeds when they conduct their land patrols.



Mabuygiw (Mabuiag) Rangers

1. Traditional Ecological Knowledge

- Signage has been erected in the community. Cultural site have been monitored every 6 weeks.
- 43 site visitations - cleaned, recorded, identified, rubbish removed, prepared for fencing.
- Mabuygiw Rangers assisted with the transfer of knowledge through the mapping of Dabangay as a heritage site. Notified community through newsletter. Also during the Youth Camp Mabuygiw Rangers assisted with the passing of traditional knowledge from the elders to the youth by hosting specific activities.

2. Island plants and animals / land patrol

- Mabuygiw rangers have been GPS plotting and mapping areas of the island and community.
- 16 land patrols undertaken
- Looking for exotic weeds/plants/seeds
- Clearing roads and creeks, access roads of Dabangay
- Monitor Animals, looking for feral dogs, And also to install beach signs.
- Mabuygiw rangers engaged in the invasive fish project on the 25-26 June 2014 along with TSRA support staff and James Cook University researchers. Mabuygiw Rangers also conduct monthly monitoring of animal and plant species when conducting their land patrols.
- 7,000 year old dugong bones were found to be disturbed. Plans to fence off heritage area. Several other sites were also identified and Mabuygiw Rangers have mapped some areas and are developing a plan of management.

3. Weeds


- Mabuygiw Rangers have identified and mapped all weed infestations in the community.
- 10 hectares - Rangers act upon previous works and revisit 3 current active sites at Wagadagam.
- Surveys conducted and assessment made regarding methodology to use to remove or monitor weeds at Wagadagam.

4. Feral Animals

- Rangers have worked with TSRIC's Animal Health officer to monitor movement of dogs outside the community to determine population levels.

5. Turtle and Dugong Management

- Accurate Dugong and Turtle Community Activity Reports have been completed. Mabuygiw rangers have been conducting regular meetings with the Goemulgaw elders with catch data and implementation.
- The Rangers have done several sea patrols which included drift surveys and have provided feed back to the community.

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- Mabuygiw Rangers continue to collect nesting data within the Mabuiag dugong and turtle management area during sea patrols and provide this data back to RNTBC and community.

6. Coastal management / sea patrol / beach patrol


- Several beach patrols and clean ups have been conducted at Dabanagy, Panai and Goemu Bau.
- 30 garbage bags - Conduct beach patrol and marine debris clean on Bau, south eastern beach of Mabuiag
- 16 garbage bags - Conduct beach patrol and removal of marine debris.
- Mabuygiw Rangers have sought approvals from relevant traditional owners and have initiated revegetation activities at several sites around Mabuiag.
- Mabuygiw Rangers patrol consisted of three drift surveys for turtles and dugongs, checking for marine debris on islands and visiting Pulu IPA. Whilst visiting Pulu, Rangers cleaned the western beach and removed several bags of debris.

7. Traditional and Cultural sites

- Signage has been erected in the community. Cultural site were monitored each 6 weeks.
- 43 site visitations and rangers cleaned, recorded, identified, rubbish removed, prepared for fencing.

8. Research Support

- 2 Mabuygiw fully trained in chainsaw chipper and chemical handling.
- Radio training towards Coxswain and Coxswain training on Elisabeth E 2
- First aid training at Thursday Island completed.



Mua Lagalgau (Mua) Rangers

1. Island Plant and Animals/ Land Patrol

- Mua Lagalgau Rangers have work with researchers to undertake fauna and flora surveys and have recorded some positive results which rangers have documented. Mua Lagalgau Rangers have identified two sites to erect outstations to allow for further and longer monitoring of plant and animal species.
- Mua Lagalgau Rangers have recorded disturbed areas around Mua and have undertaken several rehabilitation projects which include revegetation and ongoing mentoring.

2. Weeds

- Rangers are trained on weed management and have completed several weeding projects.
- Leucaena and other have been identified and mapped. 20 hectares - 1. Prepare for active weed control. 2. Remove Leucaena weed sites. 3. Map new sites for future activities. 1. Revisit weed infestation areas. 2. Review weed management strategies
- Some of the weeds have been removed other still need to be cleared.

3. Feral Animals

- Mua Lagalgau Rangers have completed surveys for goats on Mua and have provided feedback to community. Community have limited concerns of pig populations.

4. Turtle and Dugong Management


- Mua Lagalgau Rangers are doing daily monitoring of turtle and dugong and attend the local primary schools to do educational activities monthly. Mua Lagalgau Rangers also have informally discussions with RNTBC members, hunters and community on a daily basis raising awareness and discussing dugong and turtle activities and issues.

5. Coastal Management/ Sea Patrol/ Beach Patrol/ Mangrove Watch

- Rangers have coordinate shoreline clean-up, monitoring erosion sites near creeks, beaches and coasts.
- Marine wildlife data/ ghost nets and marine debris was collected by Rangers on several patrols.
- Sea grass monitoring completed three times a year at 3 sites by the Rangers on both communities of St Pauls and Kubin.

6. Community involvement and communication

- Rangers have put up notices around the community notice board. The results of the biodiversity surveys conducted on Mua were reported on in the Torres News and several media outlets on the Australian mainland.


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- Rangers have invited the school and community/ My Pathway to participate in the Tangaroa Blue clean-up activities in front of the community and have also distributed fruit trees to the school and the community garden to grow.
 - 2 visits, 20 people each visit - School visits - Public Relations, Tangaroa Blue, Rangers Jobs/ Responsibility, Animals

7. Traditional and Cultural sites

- Traditional sign name and significant sites have been mapped and signs put up.
- 19 signs - Mua Lagalgau Rangers are erecting traditional signs identifying traditional sites and areas.

8. Water Quality / Coral Monitoring

- Mua Lagalgau Rangers have conducted several wetlands patrols. Discussions and planning between RNTBC, elders, rangers and community are ongoing and decisions around tracks have been made.



lamagal (lama) Rangers

1. Traditional Ecological Knowledge

- The Rangers have consulted the community through a public meeting in relation to the collection and recording of TEK information onto a database.
- Meeting with lamagal PBC have been held to discuss the significance of the Flora and Fauna surveys and the need to record these species into the TEK database.
- Rangers assisted the lamagal 'Men's Group' in logistics to and to arrange a knowledge camp at Tudu to facilitate the transfer and recording of traditional knowledge.

2. Island plants and animals / land patrol

- Rangers have assisted contracted ecologists and botanists in carrying out biodiversity surveys on isolated parts of lama that have contributed to wider based biodiversity surveys of the Central Region.
- Weed mapping has been undertaken by using a hand held GPS and photos. Species that have been recorded include bamboo and Snakeweed.
- Beach Profile Monitoring has been carried out at 2 sites and this will continue to be carried out every 2 months to monitor coastal erosion.

3. Weeds


- The Snake Weed growth has been contained at Tura approximately 1 hectare. The Rangers have identified a new weed infestation. Ranger Team/LSMU have identified the species as Slender leaf Bundle flower. Rangers have mapped the growth area and are working with stakeholders to eradicate the species. Rangers are also monitoring Agave and yellow bell on the island as well.
- Both Rangers were doing follow up work of Snake Weed Management at Tura on lama. Rangers were able to hand pull the more mature weeds and spray round up on the seedlings. Altogether an area of 1 hectare approximately was covered over the time allocated for this activity.
- Monitoring of new weed infestations has occurred.

4. Feral Animals

- Rangers are working with TOs and Land and Terrestrial Team members within LSMU to plan the potential eradication of feral pigs on Gebar Island. Approvals were attained from the Geberalgal RNTBC to survey the Island in August 2015 with the involvement of TOs and TSRA Project Officer (Terrestrial). lamagal Rangers will participate in further PBC consultations and be involved in any projects aimed at removing pigs from Gebar.

5. Turtle and Dugong Management

- Rangers attended the Yam Island Tagai State School and conducted educational lectures. The Rangers educated the children on the lama Turtle & Dugong Management Plan.
- Rangers have collected data on a daily basis throughout the week days. The data was sent to TSRA LSMU Sea Team at the end of each week.

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- lamalgal Rangers are participating in Hawksbill turtle surveys that have been organised by the LSMU Sea Team in September 2015 for Gebar, Sassie, Tudu and Zagai Islands.

6. Coastal management / sea patrol / beach patrol

- Rangers have conducted 26 days of beach clean-ups on lama.
- Seeds will be collected during this reporting period and propagated for future plantings in a joint beach restoration project with My Pathways in 2016.
- lama Rangers have monitored the rising and dropping of the beach using Beach Profile method.

7. Traditional and Cultural sites (including the Indigenous Protected Area (IPA))

- The lama Rangers have repaired the fence work around one of the sacred sites on lama.
- Rangers also regularly manage and maintain cultural sites by a general clean-up of the area and removing of weed and cutting the grass around the cultural sites.