

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
PLANNING & COMMUNICATION							
CO-ORDINATION	Waitākere Ranges Heritage Area (WRHA) Programme Co-ordination Group (PCG)	North West Planning	Te Waka Angamua attend the group to co-ordinate input from Mana Whenua.	Cross-Council group established to promote the objectives of the Waitākere Ranges Heritage Area Act 2008 (the Act) and develop an integrated approach to its implementation.	Meeting held 28 October 2016	Meeting held 21 March 2017	Meeting held 23 November 2017
MONITORING	Preparation of Five Year Monitoring Report	North West Planning	<p>Te Kawerau a Maki and Ngāti Whātua were consulted in relation to the cultural heritage features of greatest cultural significance to them and provided comments on future aspirations for kaitiakitanga within the WRHA, which the Act promotes.</p> <p>The recommendations within the report seek to promote and develop existing relationships between tangata whenua and Council in decision making and management of the WRHA.</p>	First report completed in 2013. Next report expected in 2018. Report on State of Environment for the WRHA and progress towards achieving the objectives of the Act required under Section 34.	The Waitakere Ranges State of the Environment report is to be commenced in 2016/17	<p>The 5 yearly Waitākere Ranges Monitoring Report is due for completion in April 2018.</p> <p>Indicative timeline :</p> <ul style="list-style-type: none"> - Topic Action Plans [Feb 2017] - Data Collection [March/August 2017] - Stakeholder Workshop [May 2017] - Technical Reports [August 2017] - Draft Monitoring Report [Feb 2018] - Report sign-off by Local Board [April 2018] <p>Topic Themes are:</p> <ol style="list-style-type: none"> 1. Landscape 2. Development and Consenting Activity 3. Recreation and Visitor Management 4. Ecosystems and Ecosystem services 5. Cultural and Built Heritage 6. People and Communities 7. Watercare 	Drafting of report commenced, working with Council specialists and iwi.
	Progress Reporting (Waitākere Ranges and Whau Local Boards, Parks, Sport and Recreation and Regional Strategy and Policy Committees)	Co-ordinated by North West Planning	<p>Te Kawerau a Maki, Ngāti Whātua Nga Rima o Kaipara and Ngāti Whātua o Ōrākei not specifically consulted on report. Regular consultation and engagement takes place on a range of individual projects and activities and on matters of mutual interest in the Waitākere Ranges Regional Park.</p> <p>Development of processes that support engagement with tangata whenua in decision-making in the WRHA is identified as a key work stream.</p> <p>Progress on this is dependent upon decisions on co-governance/co-management arrangements across the Council, which are currently under discussion at regional level.</p>	Six monthly reporting to Waitākere Ranges Local Board. The report and attachments are to be provided as an information memo to the Whau Local Boards and Parks, Sport and Recreation and Regional Strategy and Policy Committees on cross-Council activities being undertaken to achieve the objectives of the WRHA Act.	Report presented to Waitākere Ranges Local Board's 20 Feb 2017 meeting.	Report to the Local Board 24th August 2017	Report to Local Board scheduled for March 2018

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	West Coast Plan Audit	Community Policy & Planning North West Planning	Te Kawerau a Maki represented on the West Coast Plan Liaison Group which is responsible for implementing and monitoring the West Coast Plan.	Audit of implementation of the West Coast Plan, a non statutory plan covering most of the WRHA which was prepared in 2001.	Ongoing consideration will occur.	Indicative timeline : - Topic Action Plans [Feb 2017] - Data Collection [March/August 2017]	Ongoing consideration will occur.
COMMUNICATION	Website establishment	North West Planning	Māori history documents to be reviewed and approved by Te Kawerau a Maki and Ngāti Whātua o Ōrākei .	To re-establish and maintain a webpage or pages for the WRHA within the Auckland Council website. http://www.aucklandcouncil.govt.nz/en/newsevents/culture/heritage/pages/Waitakererangesheritagearea.aspx	The page has been viewed 294 times in the last 6 months and 136 times in the past three months as at 5 December 2016. One new edition of 'Thrive' newsletter (November 2016) has been added to the webpage. This issue looks at businesses growing produce in the heritage area, including herbs and native plants. A new section has also been added to the webpage: Waitākere Ranges Heritage Area design guides. This has been extracted from the forthcoming Building in the Bush Design Guide, which will be finalised after the Auckland Unitary Plan appeals to allow for the inclusion of current and relevant planning information.	- Stakeholder Workshop [May 2017]	Upgraded Webpage for the Waitakere Ranges has been established in line with the overall Auckland Council website upgrade
	'Thrive' newsletter	Communications		Thrive is a newsletter produced by the Waitākere Ranges Local Board to raise the profile of small businesses operating in the Waitākere Ranges Heritage Area. The newsletter reflects the local board's commitment to small scale business in the heritage area by providing local business news, information on accessing local and regional resources, profiles of sustainable practice, and a calendar of upcoming events and learning opportunities.	One edition of 'Thrive' newsletter (Nov 2016) was published during the first half of the 2016/17 financial year. This issue looks at businesses growing produce in the heritage area, including herbs and native plants. The newsletter is circulated in hard copy and electronically on the WRHA webpage.	One edition of the Thrive newsletter was published June 2017	The next edition of Thrive is planned for early 2018.
	Waitākere Ranges Conservation Network	Community initiated Network, with a relationship with Environmental Services Unit (ESU)/Local Environmental Programmes-Claire Liousse	No information about whether the Conservation Network have consulted iwi.	To support improved networking across community/Council groups working on habitat management in the WRHA, including use and development of Nature Space and forums/symposia to promote best practice.	The Conservation Network held a Pest Management Seminar in September 2016. The network members continues to work towards its goal of setting up a website and a mapping and data project. In December 2016 Ark in the Park staff supported by the conservation network met with council officers (representatives from RIMU and EIS teams) and other conservation groups to discuss the need for and potential uses of a future database.	The Waitakere Ranges Conservation network website is now live and has resources and contacts available for those wishing to set up and organize a community group]	The Waitakere Ranges Conservation Network continued to organise networking events and seminars, including an event to introduce Pest Free Auckland to the members. Members of that group have since established a new project, Pest Free Waitakere, to provide a vehicle for collective action on weed and pest control in the Waitakere Ranges.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
EDUCATION	Learning Through Experience	ESU/Local Environmental Programmes- Stacey Bensemann	Te Kawerau A Maki were consulted prior to a Harekeke weaving workshop being delivered in 2013 as well as to confirm wording / references in a brochure re the Pou in late 2014.	To promote awareness and understanding amongst school children of natural and cultural heritage features of the Waitākere Ranges.	July 2016 - Dec 2016 update: 2,900 students participated at Arataki during this period (with an additional 137 teachers and 478 parents). This programme will continue to be delivered in the second half of the 2016/17 financial year but will reduce in days from 5 to 3. The total numbers of students participating is expected to decrease accordingly.	At Aritaki, the Learning for Sustainability Programme for schools continues . In this second half of the year this was reduced from 5 to 3 days in the week . The total number of students has consequently decreased accordingly.	July 2017-Dec 2017 update: A total of 2,416 students attended Arataki for education in this period. Delivery days were increased from three to four days a week in term four and will continue in term one 2018. A rāhui was placed over the park on 5 December which may impact on school attendance in 2018.
LAND ACQUISITION	Land Acquisition	Regional Parks	Land acquisition subject to consultation with Mana Whenua, and undertaken in accordance with Council's Parks & Open Spaces acquisition policy and relevant statutory requirements, including Reserves Act 1977. Te Kawarau A Maki, Ngāti Whātua o Ōrākei , Ngāti Whātua o Kaipara, Ngāti Tamaoho, Ngāti Te Ata Waiohū, Te Runanga o Ngāti Whātua & Te Akitai Waiohū were notified of the acquisition.	Additional land acquired or vested as regional parkland.	A draft concept plan for the Te Ahu Ahu Road block was workshopped with the Waitākere Local Board on the 17th Nov 2016. A public open day was held on 10 December 2016. Next steps: - Submissions evaluation - Draft Concept Plan modified where necessary. - Submitters will be contacted with a summary of the feedback prior to the outcome being communicated with the local board for comment and the plan presented to the council for final approval. - The target date for obtaining council approval is July 2017.	The Council purchased the 78 ha Byers Property at Piha in 2014 and it is now named "Taitomo". The land is currently subject to a variation to add the area to the Regional Park Management Plan so it can be managed under this regime . Also a 1217m2 site at 82 Karekare Road Karekare has been added to the " Macreadies Campground" to enable this use and associated land to be reorganised.	The hearings on the variation to incorporate Taitomo (Te Ahu Ahu Road block) were held in November 2017. Taitomo will be managed as a Special Management Zone. The commissioners' recommendations will be reported to the Environment and Community Committee for approval of the variation in February 2018.
SUPPORT FOR HERITAGE PROTECTION	Development of heritage incentives policy	Heritage-Tanya Sorrell	Two hui were held with Mana Whenua, one in the south in September 2014 and one in the CBD with the kaitiaki forum in early 2015. The final draft is being sent to Mana Whenua at the same time as Local Boards.	Develop a framework for evaluating and implementing current and future heritage incentive schemes.	Framework still on hold.	Framework still on hold.	Framework still on hold.
LANDSCAPE							
GUIDANCE	Road Corridor Design and Management Guide	Auckland Transport Chris Beasley/Rob Douglas - Jones	There will be emphasis on engagement around Volume 3 of Auckland Transport Code of Practice (ATCoP) review which refers to the spatial planning of the road environment .	To provide clearer guidance on how the objectives and requirements of the WRHA Act are to be given effect in the design and management of road corridor. infrastructure and vegetation.	The Waitākere Ranges Local Board approved the updated Design Guide at its meeting May 2016. Auckland Transport is currently seeking approval to release the current version endorsed by the Local Board for use.	The Draft Waitakere Ranges Design and Management Guide requires mana whenua engagement before adoption.	Completed
	Promotion of Foothills Design Guide	North West Planning	Iwi were consulted as part of the development of the original Design Guide.	Re-printing and re-launch of Foothills Design Guide and training/awareness raising for Council consents staff.	Completed	completed	Further update to reflect the Operative Auckland Unitary Plan underway

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Preparation of Building in the Bush Design Guide	North West Planning-Eryn Shields	Iwi to be consulted as part of development of Design Guide.	New project requested by Waitākere Ranges Local Board for 2014/15 to provide design guide for building in bush-clad areas of the WRHA.	Waitākere Ranges Local Board resolved at 14 July 2016 meeting for building design guidance information to be made publicly available from the end of September. Relevant information from the draft document has been uploaded to the Waitākere Ranges Heritage Area webpage on the Auckland Council website, titled 'Building Design Guidance for building in the bush in the Waitākere Ranges Heritage Area'. Aiming for completion of the Full Design Guide publication (with planning information referenced) by end 2016/17 financial year.	To be completed in August 2017	Completed
MANAGEMENT	Anawhata land management	Regional Parks	Management of Anawhata land subject to Regional Parks Management Plan - Tangata Whenua management policies for Waitākere Ranges Regional Park which includes consultation with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland.	Maintenance of the natural character of the coastal areas.	Land continues to be managed as a part of the Waitākere Ranges Regional Park.	No Change	Land continues to be managed as a part of the Waitākere Ranges Regional Park in terms of the Regional Parks Management Plan 2010. Te Kawerau a Maki were consulted on the management policies and interpretation on the Taitomo Special Management Zone
DEVELOPMENT AND CONSENT ACTIVITY							
STATUTORY PLANNING (RMA)	Unitary Plan – protection of heritage features and environmental quality.	Heritage (Natural)- Marilyn Ford	Mana Whenua consulted regarding identification and protection of Significant Ecological Areas and Outstanding Natural Features in Draft Unitary Plan. Mana Whenua have also lodged submissions on these provisions in the PAUP.	Identification and protection of Significant Ecological Areas and Outstanding Natural Features within Vegetation Management provisions.	Appeals have been lodged against the policies of the Significant Ecological Area Overlay (section D.9.3) by the Royal Forest and Bird Protection Society. The biodiversity policy part of the Royal Forest and Bird Protection Society appeal has been scheduled for a High Court Hearing as a priority matter. The hearing began on 16 February 2017.	Biodiversity policies in the Auckland Unitary Plan are now operative but some sites still are subject to High Court appeal	Parts of this appeal have been struck out by the High Court .Remaining mapping issues now before the High Court for determination.
	Other unitary plan topics including WRHA provisions	Unitary Plan team / North West Planning	Mana Whenua consulted regarding issues of significance to be included in the PAUP's RPS, along with supporting policy and rule provisions. Mana Whenua have also lodged submissions on provisions which they consider to be of significance in the PAUP.	Ensuring that the Unitary Plan gives effect to the Waitākere Ranges Heritage Area Act, 2008 (as required under the Act).	Appeals progress: There are several appeals to the Unitary Plan (Decisions Version) which affect the Waitākere Ranges Heritage Area. The most significant is an appeal from the Waitākere Ranges Protection Society (WRPS) who are challenging the subdivision provisions. In particular, WRPS is challenging the application of Non-complying activity status that has been applied to some categories of subdivision. WRPS seek reinstatement of Prohibited status which is the status applied in the operative plan. A hearing date has not yet been set.	The one remaining appeal is from the Waitākere Ranges Protection Society (WRPS) who are challenging the subdivision provisions. In particular, WRPS is challenging the application of Non-complying activity status that has been applied to some categories of subdivision. WRPS seek reinstatement of Prohibited status which is the status applied in the operative plan. Consent order documents have been placed before the Court.	One appeal relating to the activity status of subdivision remains unresolved.
ECOSYSTEMS & ECOSYSTEM SERVICES							

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
MONITORING	Terrestrial Biodiversity Monitoring Programme	Environmental Research & Evaluation (RIMU)- Craig Bishop and Todd Landers	As this is data capture from existing monitoring sites no consultation has occurred.	Part of the regional Terrestrial Biodiversity Monitoring Programme designed to quantify the state of indigenous terrestrial biodiversity and monitor changes in pattern and processes through time, linked to management decision making.	<p>Surveying: Eleven forest plots were surveyed over the last field season between November and December (2016). Three wetlands will be surveyed during the wetland programme in February and March 2017.</p> <p>Reporting of survey data: The full five year complement of forest and wetland sites in the heritage area will all have been surveyed by the end of this field season (March 2017). This data will be analysed and reported on in a technical report, and in the 2018 Waitākere Ranges Heritage Area Monitoring Report. Results are also biannually reported in the Waitākere report card, the last issue which was released in October (2016) http://stateofauckland.aucklandcouncil.govt.nz/Localboards/Waitākere/</p>	Wetland surveys at three sites conducted as planned during Feb/March 2017. The full 5 year complement of forest and wetland sites in the heritage area have been now surveyed twice and the results are being analysed for inclusion in the 2018 monitoring report for the area .	No other monitoring by the Terrestrial Biodiversity Monitoring Programme has occurred in the Heritage Area in the last six months (the next revisit monitoring is not due for a few more years, in time for the next Five Year Monitoring Report).
	Freshwater Monitoring Programme	Environmental Research & Evaluation (RIMU)	As this is data capture from existing monitoring sites no consultation has occurred.	<p>Part of regional Freshwater Monitoring Programme that underpins state of the environment reporting, and informs Council decision making.</p> <p>Results from these programmes are reported in annual data reports, as well as direct data uploads to our website, and also via an annual Waitākere Report Card.</p>	<p>Monthly monitoring continues at the Cascades and Opanuku Streams. Water quality is generally very good at both of these sites.</p> <p>Macroinvertebrate Community Composition: The Cascades, Opanuku, Marawhara, Wekatahi Streams and Waitākere River remain key sites for the Stream Ecology programme and are monitored for Macroinvertebrate Community Composition. Results are provided in the biannual Waitākere Report Card</p>	<p>Monthly monitoring continues at the Cascades and Opanuku Streams. Water quality is generally very good at both of these sites.</p> <p>Macroinvertebrate Community Composition: The Cascades, Opanuku, Marawhara, Wekatahi Streams and Waitākere River remain key sites for the Stream Ecology programme and are monitored for Macroinvertebrate Community Composition. Results are provided in the biannual Waitākere Report Card (Results from the 2016 calendar year will be published in 2017).</p>	<p>Monthly monitoring continues at the Cascades and Opanuku Streams. Water quality is generally very good at both of these sites.</p> <p>Lake Wainamu water quality and phytoplankton assessments continue to be done 8 times per year.</p> <p>Macroinvertebrate Community Composition: The Cascades, Opanuku, Marawhara, Wekatahi Streams and Waitākere River remain key sites for the Stream Ecology programme and are monitored for Macroinvertebrate Community Composition. Results are provided in the bi-annual Waitākere Report Card. A permanent rainfall site has been installed near Piha.</p> <p>Additional water temperature monitoring is in progress at two sites (Cascades & Piha Stream). The data will be used to develop a temperature attribute in support of the National Policy Statement for Freshwater Management. This attribute will enable better management of freshwater systems and a draft will be completed by April 2018.</p>
ANIMAL PEST MANAGEMENT	Animal Pest Control	Local & Sports Parks-Natalie Marsden	No formal iwi involvement in maintenance programme.	Ongoing programmes targeting the control of rabbits, mustelids, rats, possums and pigs.	<p>Possum bait stations program continues at Kay Road Bale Fill and Crows Park.</p> <p>Rabbit bait stations at Piha Esplanade Reserves. Night shoot for rabbit control at Waikumete Cemetery was carried out in Dec 2016.</p>	New contractors have taken over from July 2017. Have been rolling out rat stations and attending to rats, ferrets and stoats. Animal control work will continue over the 2017/18 year as per the new contract	New contractors have taken over from July 2017. Have been rolling out rat stations and attending to rats, ferrets and stoats. Animal control work will continue over the 2017/18 year as per the new contract

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Possum Control (Regional Programme)	Regional Parks and Biosecurity- Stephen Bell and Neil Olsen , Holly Cox , and Phil Brown	Pest Management in Waitākere Ranges Regional Park subject to relevant Regional Park Management Plan (RPMP) tangata whenua management policies which includes consultation with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland. Regional Pest Management Strategy (RPMS) also requires Council to consult with iwi regarding pest management issues.	Protection of native ecosystems and primary industries through control of possum numbers to within 2% residual trap catch (RDC). Programmes typically cover one third of the Regional Park each year, plus extensive buffer zones on adjoining land adjacent to programme area.	Planning is underway for a ground-based possum control operation across approximately 5,000 hectares of the Heritage Area this autumn. The control area backs onto the southern boundary of Ark in the Park and covers a swathe of land south to Cornwallis.	A contractor started the possum control in this block in May 2017. By the end of June they had completed 50% of the 5000ha area monitoring showed a residual RTC mean of 2.04%. The second area of 2500ha scheduled to start in July 17.	A 5000 hectare block of the south-east Waitākere Ranges were controlled for possums ending October 2017, reaching below two per cent relative abundance. This area covered from the Ark in the Park southern boundary down to the southern extent of the Waitākere Ranges. In January 2018, possum control commenced at a 4000 hectare block of the south-west Waitākere Ranges. This area backs onto the above control area, and goes out to Whatipu and up to Bethells. This work will be completed by May 2018.
	Waitākere Feral Pig Control	Regional Parks and Biosecurity	As per above.	Protect ecological and amenity values.	Contracted pig hunters continue to hunt the ranges in regular intervals to keep pig numbers low. Numbers are similar to last year at this stage.	The Cascades, Opanuku, Marawhara, Wekatahi Streams and Waitākere River remain key sites for the Stream Ecology programme and are monitored for Macroinvertebrate Community Composition. Results are provided in the biannual Waitākere Report Card	The last period of hunting was completed in December 2017, with the next period of the operation planned to begin in March 2018. So far this year approximately 80 feral pigs have been controlled including 33 females, 31 males and 16 unidentified. There have been fewer reports of feral pig damage being sighted. There has been an increase in mature sows that have been controlled, which indicates that a high hunting pressure is being consistently placed on the population. This is also indicative that the programme is effective.
	Sulphur-crested cockatoo control	Regional Parks and Biosecurity- Stephen Bell	As per above.	Control of populations to protect ecological values (e.g. Cascades and private land).	Some control has been undertaken, but we will continue to refine our methodology to improve its effectiveness.	No progress since last update . The continuation of the project will be workshoped with the Board shortly	No further work undertaken. Methodology requires further refinement. Likely to undertake some further trial work before end June 2018.
	Rabbit Control - Piha	Local & Sports Parks (West) - Natalie Marsden	No iwi involvement in day to day maintenance programme	Protect ecological and amenity values.	Rabbit bait station control program continues to be carried out in Esplanade Reserves.	Work continues. New contractors have been engaged for the 2017/18 year	Work continues. New contractors have been engaged for the 2017/18 year

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
KAURI DIEBACK	Kauri Dieback Management	ESU/Biosecurity (Regional) and Regional Parks (West)	<p>Phytophthora taxon Agathis (commonly known as PTA) is managed nationally by the Joint Agency for Long Term Management of Kauri Dieback Disease which includes northern iwi.</p> <p>The contribution of the long term management of kauri is of significant importance to tangata whenua, their well being, values, culture and traditions.</p> <p>Māori have been engaged through the Joint Agency Tangata Whenua Roopu and through direct engagement with iwi in affected areas. The iwi members of the Joint Agency Leadership Team strongly support the recommended action.</p>	Prevent spread of kauri dieback disease by implementing phytosanitary measures, outreach and compliance programmes, and research and monitoring programmes. All of the Regional Park is included, together with all private land in the WRHA containing kauri.	<p>Surveillance & monitoring: Auckland Council's surveillance & monitoring plan 5-year cycle re-survey of Waitākere Ranges occurred over the summer of 2015-16. The report is now in draft. Discussions are currently being held between Biosecurity and Parks on the interpretation of the report, and the options of management to manage the spread of Kauri dieback within the Waitākere's and from the Waitākere's to areas where kauri dieback has yet to be identified.</p> <p>Kauri dieback coordinator: The kauri dieback coordinator funded by the Waitākere Ranges Local Board continues to work with local communities to ensure that local people and visitors are well informed about kauri dieback and what they can do to prevent its spread.</p> <p>Biosecurity continues to provide support to parks advocacy programme and to the national kauri programme.</p> <p>Hygiene measures: Ongoing</p>	Over the half of 2017, the kauri dieback community co-ordinator engaged with the public and conveyed the 'keep kauri standing' message through school holiday programmes at Arataki Visitor Centre and Lopdell House, reaching more than 5000 children and their families. At Glen Eden Intermediate school, over two weeks, 1,100 students in 36 classes were taught key kauri and kauri dieback stewardship messages, supplemented by both science and art activities. A further 120 children were reached through talks at Gladstone Primary school. Further resources were provided to Woodlands Park Primary and Bruce McLaren Intermediate. Resources such as sterigene, brushes, information, and disease mitigation guidelines were provided to volunteers and the Waitākere Ranges Protection Society (WRPS), Forest and Bird, EcoMatters, Matuku Link and South Titirangi sustainable neighbourhoods projects. Meetings regarding kauri dieback disease were held with local volunteers, Forest and Bird, WRPS, tourist operators and researchers. The community co-ordinator also met with new staff at the Department of Conservation to arrange Conservation Week activities and to initiate opportunities for co-operation in deployment of summer track ambassadors. Support and advice has	The kauri dieback community co-ordinator continued engagement with schools, tourist concessionaires, conservationists and the wider community in the second half of 2017. The 'blanket banner' legacy project was finalised arising from the term three school programme with Glen Eden Intermediate, which was displayed at Arataki Visitor Centre. Contact was made with other local schools offering to visit and support an educational programme in the new year. The Coordinator spoke to several hundred children and their families through a kauri dieback stall at Arataki Children's Day. Initial conversations have been commenced with western libraries about supporting their school holiday programmes in 2018. Staff have continued the passive surveillance programme of responding to landowners with concerns around declining kauri. In the second half of 2017, 138 properties were inspected, and as of 30 January 2018, 12 further properties had been inspected. Staff have commenced a phosphite application process on Maungaroa Ridge. Work has continued in response to last year's report on kauri dieback distribution across the Waitākere Ranges Regional Park. This has resulted in track closures, track upgrades and phytosanitary station upgrades at a number of sites. Staff
	Kauri Dieback Management	Local & Sports Parks	As per above.	Assisting in prevent the spread of Kauri Die Back within/from Local & Sports Parks.	PTA removal via tree maintenance contracts continues.	Staff have continued the passive surveillance programme of responding to landowners with concerns around declining kauri. This involves inspecting the kauri, potentially sampling for dieback presence, and providing advice and phytosanitary equipment. In this half of 2017, 68 properties were inspected.	Location of new tracks in local parks is being planned to avoid areas of kauri. Ecological assessments considering location of kauri have been undertaken for Concordia Reserve and Kay Rd.
WEED MANAGEMENT	Development of weed management policy	Community Planning and Policy - Regional	Iwi consulted during development of policy.	Develop a weed management policy to guide internal and external parties working on Council land (including road corridors).	Project completed.	completed	Completed
	Undertaking a weed management operational review	Community Planning and Policy	It is envisaged that provisions for iwi participation, contribution, and/or consultation will be incorporated into relevant weed management initiatives and projects as part of the council's operational work programmes on land where Māori have a specific interest.	To report on all operations which involve weed management, to set baseline levels of service and to make recommendations for operational practices to meet the objectives of the Weed Management Policy.	Project completed.	completed	Completed

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Weed Monitoring (outside fixed RIMU survey plots)	Regional Parks and Biosecurity	Pest Management in Waitākere Ranges Regional Park subject to relevant RPMP tangata whenua management policies which includes consultation with Te Kawerau a Maki and Ngāti Whātua regarding management of park land. Regional Pest Management Strategy also requires Council to consult with iwi regarding pest management issues.	Weed monitoring/surveillance.	<p>Surveying & monitoring: No surveying is planned for this financial year as the Regional Parks weed management budget is oversubscribed.</p> <p>Subject to budget becoming available at the end of the financial year - an area in Karekare has been prioritised for survey. This area is identified as a Priority Ecosystem (Auckland Council Biodiversity) and will assist the Climbing asparagus project with engagement in Karekare.</p>	<p>Two surveys were completed at the end of the financial year . One was adjacent to private property at Little Huia to determine the spread of climbing asparagus infestation along the Manukau coastline .Mostly juvenile plants were found at semi frequent abundance, - this will trigger control in this area in the 2017-18 season . Another area was in a location called La Trobe Tawa Forest. No weed were found in the interior . There were low levels of weeds found on the road edge .</p>	It is unlikely that any surveys will be completed during this financial year, due to the budget commitments allocated towards control.
	Parks Ecoweeds	Regional Parks and Biosecurity	As per above.	Management of regionally significant pest plants in the Regional Park.	<p>Regional Parks in conjunction with Biosecurity is undertaking ecological weed control at identified locations throughout the Waitākere Ranges.</p> <p>Ongoing weed control work is occurring in the Regional Park. Manchester Unity Block, around Huia and Cornwallis, at Whatipu and Pararaha, Karekare, Piha, Whites Beach and Anawhata, Cascades, Lake Wainamu, and Pae O Te Rangi.</p>	<p>Surveying & monitoring: No surveying is planned for this financial year as the Regional Parks weed management budget is oversubscribed.</p> <p>Subject to budget becoming available at the end of the financial year - an area in Karekare has been prioritised for survey. This area is identified as a Priority Ecosystem (Auckland Council Biodiversity) and will assist the Climbing asparagus project with engagement in Karekare.</p>	<p>Weed control work has commenced in the following areas: Huia: Manchester Unity Block, Cornwallis fire site, Panto Track, Kakamatua, Huia Point, Mt Donald McLean, Little Huia, Waterfall Bay and Whatipu. Piha: Whites Beach, North Piha, Byers Block (excluding fire site area), Anawhata Farm moth plant, Aristeia on tracks, Karekare and Pararaha. Abseil work at Anawhata and Tasman View. Cascades: Lake Wainamu, Falls Rd, Waitakere River, Pai O Te Rangi.</p> <p>Standing dead pines near the Panto Track are causing health and safety issues in controlling climbing asparagus in the area. We will be seeking advice from an arborist on how to manage this.</p>
	Strategic Weeds Initiative	Ruairi Flynn/Jordan Winiata	As per above.	This programme covers regionally significant pest plants on (private) land adjoining the Regional Park.	<p>Karekare: Work is occurring on private property. 70% of target properties have given permission to control priority weeds on their land.</p> <p>Piha: Work is occurring on private property. 43% of target properties have given permission to control priority weeds on their land. The contractor is following up with properties that haven't replied to initial access request letter.</p> <p>Huia: Work has been deferred to 2017-18 year.</p>	<p>Weed control work has been completed in Cascades, Lake Wainamu, Anawhata, Whites Beach, Piha, Karekare, Pararaha, Whatipu, Huia, Cornwallis, and Manchester Unity Block. Abseiling work was completed on Lion Rock, Anawhata and Karekare.</p>	<p>Karekare: 40% of target properties have given consent to control priority weeds on their property. The contractor is following up on past properties who haven't responded to letters. Control completed on almost all target properties.</p> <p>Piha: 56% have responded and allowed contractors onto properties to control priority weeds. Contractors have been advised to follow up on properties they have controlled on before in the past. Almost all target properties have had control applied.</p> <p>Huia: SWI (Strategic Weed Initiative) no longer applies to Huia. However, just one property is being controlled of for target weeds</p>

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Creation of Weed Free buffer zone	ESU/Local Environmental Programmes- Candice Ho	Iwi were consulted during Local Area Plan preparation on over-arching issue of weed control.	Continuation/expansion of weed free buffer concept and habitat restoration in Local Area Plan areas on eastern edge of Regional Park. (including private land).	Work has commenced in the Buffer Zone areas this financial year. Ecomatters Trust will be focussing on Laingholm, Mountain Road and Waiaatarua which are 'hot spot areas' where there is local community support and/or the private engagement coincides with an active programme on Regional Park (Manchester Unity Block). The remainder of the 'hot spot' areas will continue to have advice, support and maintenance management.	Allocated hours spent mostly on weed control of dense infestations of climbing asparagus in Piha. This is in conjunction with the Waitakere Ranges Local Board weed control project.	Work continues in the buffer zone areas over this financial year. The Ecomatters Environment Trust continues to work in the identified hot spot areas.
	Sustainable Neighbourhoods Programme	ESU/Local Environmental Programmes	No iwi involvement in day to day maintenance programme.	Support to Neighbourhoods wishing to take action for ecological restoration of their local landscape.	This regional program has now ended.	Works completed and reported to the Waitakere Ranges Local Board meeting on 24th August 2017	Completed
	Community Weedbin Programme	ESU / Environmental Programmes	No iwi involvement in day to day maintenance programme.	Delivery of this programme is managed by ESU, and facilitated by the community trust WeedFree (EcoMatters Environment Trust). Weed bins are deployed at any one time across seven sites: Western Rd, Laingholm/ Kauri loop Rd, Oratia / Kowhai Reserve, Titirangi / Victory Rd, Laingholm/ Piha Domain, Piha/ Mountain Rd, Henderson Valley/ Huia Domain, Huia	Spending of 90K budget is on target. The weed bins at Kowhai Reserve and Kauri Loop sites are now accessible once a month on a weekend with staff member on site to provide education on weed disposal. The bins are removed from the site at the end of the day. Bins at the other sites continue to be used by the community to dispose of environmental weeds with little abuse of the service (e.g. dumping of rubbish rather than weeds).	Completed	The new weed bin contract is underway; this included signage explaining the change in service. Public communication was carried out through Auckland Council and EcoMatters websites, and social media as well as local newspaper before Christmas 2017. The first temporary bins were monitored by EcoMatters for the weekend of 13-14 January 2018 at Victory Road, Laingholm and Kauri Loop Road, Oratia. The contractor (EcoMatters) reported no issues and a good turnout at the weed bins with positive feedback received from the people that came. The dumped vegetation at Mountain Road in late 2017 has been cleared separately from this contract. The next temporary bins will be located at Kowhai Reserve, Titirangi and Mountain Road, Henderson Valley on 3-4 February 2018.
	Pest plant control programme	Local and Sports Parks (West)-Dawn Bardsley-Holly Cox	No iwi involvement in day to day maintenance programme.	Control containment pest plant populations in approximately 400 parks and reserves and control all pest plants in a further 110 parks.	Scheduled pest plant control has been undertaken in 179 reserves. Restoration work has been undertaken in 17 High Value reserves.	To date 499 properties are now involved in this project with 145 of those new to the project in the 2016-17 financial year. Of the 127 property surveys completed this financial year 75 has climbing asparagus (60%). This project is being funded in the 2017-18 financial year	New contractors have taken over from July 17. Currently mobilising and rolling out new weed removal programmes in reserves and attending weed RFS. Weed pest control work to continue 2017/18 as per the new eco-contracts
	Les Waygood Reserve Weed Control Plan	Local and Sports Parks (West) - Natalie Marsden-Holly Cox	Consulted on Pest Plant Control in the Piha Reserves.	Project to manage weed species growing in dune network of Les Waygood Park and North Piha Esplanade.	Work program commenced in late November 2016 in accordance with the approved ERP. The LB Chair has requested Vetch be addressed as a priority and that Alligator weed is added as a target species	Work on going. New Contractors have been engaged for the 2017/18 year	Work on going. New Contractors have been engaged for the 2017/18 year
	Piha South Road Reserve Dune Management Plan (South of Lion Rock)	Local and Sports Parks (West)- Natalie Marsden	Consulted on Pest Plant Control in the Piha Reserves.	Ecological restoration and recreation management.	Feedback received from the Waitākere Ranges Local Board that further investigations are required. These will resume as budget becomes available.	Works completed and reported to the Waitakere Ranges Local Board meeting on 24th August 2017	Work on going. New Contractors have been engaged for the 2017/18 year

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
HABITAT RESTORATION	Revegetation (Regional Park)	Regional Parks- Stephen Bell	Revegetation projects upon Waitākere Ranges Regional Park subject to relevant RPMP tangata whenua management policies which includes consultation with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland.	Revegetation of modified/disturbed habitat the Waitākere Ranges Regional Park.	Revegetation has continued in 2016, primarily in the Pae o te Rangi area of the northern Waitākere Ranges and Whatipu as per the approved revegetation plans.	New contractors have taken over from July 17. Currently mobilising and rolling out new weed removal programmes in reserves and attending weed RFS. Weed pest control work to continue 2017/18 as per the new eco-contracts	Revegetation has continued in 2017 & 2018, primarily in the Pae o te Rangi area of the northern Waitākere Ranges and Whatipu as per the approved revegetation plans.
	Community Revegetation Projects (Regional Park)	Regional Parks (West)-Stephen Bell	As per above.	Biodiversity protection and restoration.	Revegetation has continued in 2016, primarily in the Pae o te Rangi area of the northern Waitākere Ranges and Whatipu as per the approved revegetation plans.	Work on going.New Contractors have been engaged for the 2017/18 year	Revegetation has continued in 2017 & 2018, primarily in the Pae o te Rangi area of the northern Waitākere Ranges and Whatipu as per the approved revegetation plans.
	Huia Domain Erosion management	Parks (West)-Dawn Bardsley	Consulted early in the project for their views on a preferred approach. Te Kawerau a Maki has provided their views and been kept updated throughout the community consultation process. A cultural impact assessment is to be undertaken in regards to the latest option being investigated.	Provision of a long term solution to mitigate the erosion along the coastline of Huia Domain.	An option has now been agreed with stakeholders and the Local Board which includes the construction of two groins and beach replenishment. Design development is underway.	Work on going.New Contractors have been engaged for the 2017/18 year	Construction is underway. Expected completion early 2018.
	Native restoration programme	Local and Sports Parks (West)-	No iwi involvement in day to day maintenance programme.	Restoration of native ecosystems.	Two follow up plantings have been undertaken within the Piha Domain section of Piha Stream. Planting further upstream is being undertaken by local community groups and Regional Parks (West).	Two volunteer planting events were undertaken through the winter at Piha Domain. - Gill Esp Reserve, Laingholm - volunteer planting. - Rimutaka Reserve, Woodlands Park – volunteer planting. Perris Road, Swanson walkway – pest plant control and 120m of track building.	Volunteer assistance ceased in the of Perris Road project so this was not completed.
	Community plant nursery	Community Empowerment- Claire Louise	Iwi conversation still to be had	Support community stewardship. Community-managed resources for the restoration of native ecosystems	No progress since last update. The continuation of development of this plan will be workshopped with the board at the first possible opportunity.	No further communication has been had with Regional Parks regards establishing a community nursery	This is now part of the South Tairāngi Neighbourhood Network initiative. The network has now created a small nursery on private church land. Project complete.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
FAUNA SPECIES CONSERVATION	Ark in the Park	Regional Parks (West) & ESU/Biosecurity (Regional). Stephen Bell	Ecological restoration project within Waitākere Ranges Regional Park subject to relevant RPMP tangata whenua management policies which includes consulting with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland. 'Ark in the Park' Strategic Plan and supporting management committee keep Te Kawerau a Maki informed of the project's progression and actively encourage iwi involvement with the project.	Iconic partnership project (with Royal Forest & Bird Protection Society and local communities) to deliver enhanced ecological protection and an open sanctuary for threatened species (including re-introduction of locally extinct species). Based in the Cascade/ Falls Road area.	ARK in the Park continues within the Regional Park supported by council through the Regional Parks, Biodiversity and Biosecurity Teams. Key points from July to Dec 2016: - Whitehead survey was carried out and a technical advisory group meeting held. Intensive monitoring is scheduled for the next 5 years, after which a decision about the need for further translocation will be made. Successful breeding recorded. - Kokako census – this was completed and identified 23 founder birds. The breeding season is underway with a pleasing number of kokako chicks fledging. - Winter baiting round was completed and summer baiting round started, rat monitoring was carried out after each baiting round and this, along with bait uptake data is used to guide future baiting efforts. - 8 presentations were given to groups - 1 volunteer workshop and social function held - An overseas intern was hosted with the project to carry out a trapping audit.	Key points from January – August 2017 - 7 kōkako chicks banded and fledged in the breeding season ending Feb 2017 - 2 baiting rounds completed - 3 cycles of rat monitoring completed - Wasp control carried out over 565 hectares - Ark 15th birthday celebration held for volunteers, attended by around 115 people. - Ark selected as a project to receive 50 Goodnature traps via the Squawk Squad advocacy initiative - 2 overseas interns hosted - 6 events attended (EcoDay, Bethells Community Day, Festival etc) - 5 Schools visited.	ARK in the Park continues within the Regional Park supported by council through the Regional Parks, Biodiversity and Biosecurity Teams. - Kokako Specialist Group met, no new translocations proposed for the Ark until 2019. - Currently upgrading of existing cat traps to Steve Allen cat traps - Planning continues to change bait from second-generation anticoagulants to a less environmentally-persistent type - New 140 ha 100m x 100m bait station grid installed south of Ark by AC contractor - 60 A24 Goodnature traps installed west of the Ark as a trial - 2 full baiting rounds and rat monitoring completed - 3 summer students hosted - Kokako census undertaken: - 24 founders, 20 territorial pairs. Kokako seen outside Ark at Waitakere Dam and Fairy Falls. Yearly censuses continue. Waitakere rahui has meant that bat walks, guided tours and school groups have been cancelled
	Community biodiversity projects	Regional Parks (West)-Stephen Bell	Ecological protection and restoration projects within Waitākere Ranges Regional Park subject to relevant RPMP tangata whenua management policies which includes consulting with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland.	Biodiversity protection and restoration.	Existing programmes continued.	Existing programmes continued.	Existing programmes continued.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Long tailed bat conservation work.	Biodiversity Operations	No iwi involvement.	To improve knowledge and understanding of long tailed bat distribution and behaviour.	Auckland council biodiversity officers are developing a project scope for the work to be undertaken by contractors in the summer of 2017. The research is due to begin in February/March 2017 with results due by 30 June 2017.	The study objective has been to identify preferred long-tailed bat roosting habitat in the Waitakere Ranges with two sites studied between February and March 2017 at Cascade Kauri Park and Lower Huia Reservoir. Cascade Kauri Park had the highest bat activity with up to 1800 bat passes recorded over 13 nights. At Lower Huia lower bat activity was recorded at 330 bat passes over 14 nights. Kauri dieback was an important reason in choosing monitoring sites so as to reduce the risk of disease spread. 2017 monitoring methods included ;1)the use of bat detectors recording both bat calls and activity and 2)the use of infra red cameras resulting in the recording of some images and video. In the future radio tracking and thermal imaging may prove more useful in finding bat roosts but these come with extra cost.	Funding agreement with Community Waitakere for two open events and two specific community group events e.g scouts. Community Waitakere will also be developing an educational resource for local schools utilising the last five years of bat research and advocacy. Community Waitakere have also partnered with AECOM and secured regional grants funding of \$53,000 over two years for bat tracking to locate roosts, study habitats and investigate the bat population characteristics like age and sex ratio. This partnership is applying for a warrant for forest access following the rahui.
AQUATIC ECOSYSTEMS	Lake Wainamu restoration	Biosecurity- Craig Bishop and Todd Landers	Ecological restoration of Lake Wainamu subject to relevant RPMP tangata whenua management policies which includes consulting with Te Kawerau a Maki as Mana Whenua for area. RPMS also requires Council to consult with iwi regarding pest management issues.	Restoration of Lake Wainamu through management of pest plants and fish.	This programme is currently on hold while it is under an informal review. Concern has also been raised about the on-going presence of grass carp (which were released to remove Egeria, an aquatic weed), but extensive netting in the past few years has not caught a single grass carp so it is not clear how they would be removed.	This programme continues to be on hold.	No further work undertaken. Note that Lake Wainamu is reported upon in the Nov 2017 update report entitled Lake SPI assessment of 33 Auckland lakes.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	West Coast Lagoons-water quality improvement project	ESU coordinating, with involvement from Regional Parks, Local Parks, Property, Stormwater, Building Control, Resource Consents, Licensing and Compliance, Comms, Policy and Local Board Services	Te Kawerau a Maki have joined the steering group for this project.	Reduction of contamination levels in lagoons at Karekare, Piha, North Piha and Bethells to a level that allows safe swimming through summer.	Continued implementation of the action plan <ul style="list-style-type: none"> Council upgraded the wastewater system at Les Waygood Reserve and the North Piha campground. A grant scheme funded by the WRLB to support people upgrading septic their septic systems was launched and 7 applications were received A simplified consent process and reduced fee structure was launched A council 'loan scheme' to support upgrading septic systems was consulted on through the Annual Plan process - this will be launched before the end of the 2016 A community workshop was held and attended by interested members of the three affected communities. Event held at Piha Domain to help connect people to the Piha Stream and lagoon. EcoMatters contracted to continue awareness-raising campaign, with door-to-door discussions, free septic system assessments and running the Love Our Lagoon Facebook page Five notices served in the lagoon catchments requiring owners to fix major failures in their septic system . These failures were found through the improved pump-out programme service Five other proactive inspections of high-risk properties were undertaken in the Karekare catchment. Three landowners received support for 	No change ,existing programmes continuing.	Ten Waitākere Ranges Local Board grants were signed off during the 2017/2018 financial year. Four out of the six approved grants from the 2016/2017 financial year were uplifted by the applicants. The voluntary targeted rate scheme was launched in February 2017. Water quality testing continued over the summer bathing period to establish if any of the incentive programmes to reduce contamination levels were effective. Results have shown little effect to date. It is expected that the improving quality would be a long-term goal for this initiative. A community led initiative by Swimmable Te Henga group was approved for funding from the Waitākere Ranges Local Board Environmental grants to undertake E.Coli testing in the Waikākere River and Bethell's Lagoon.
CULTURAL AND BUILT HERITAGE							
Historic Architecture	Waitakere Ranges	Heritage		To undertake a study of the mid -late 20th century architectural movement that took place in the Waitakere Ranges			Project in early stages.Heritage consultant to be engaged.Ongoing

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
MONITORING	Monitoring Programme	Heritage	Te Kawerau a Maki have been contacted and will be provided the results of the Stage 1A draft desktop report and will be updated on the planned survey upgrade work in 2015-2016.	To develop an inventory of historic sites in the WRHA, their condition and management requirements.	<p>Waitākere Ranges Survey 2016 - ongoing:</p> <ul style="list-style-type: none"> Survey of the southern coast of the Waitākere Ranges (Green Bay to Whatipu) commenced in January 2016. To date the CHI team have surveyed 165 / 293 sites from completed survey routes. This work is ongoing and will be continued in the 2016/2017 survey season. The built heritage sites (89) have been given to an external consultant to survey, monitor and assess within the 2016/2017 financial year. This work is due to be completed by December 2017. <p>Other research: The two draft research papers on the archaeology of the Piha tramline and the historic Māori settlements of Waiti Village and Parawai Pa at Bethells are expected to be completed by February 2017.</p> <p>Research into the timber milling industry: Research into the extensive historic milling sites and associated infrastructure that operated between 1850-1910, in the Huia Area. The project brief for this study is being formulated presently.</p>	<p>* The Built Heritage Survey and Assessment of 90 priority built sites has been completed (41 are scheduled, 3 are to be assessed for scheduling and 44 sites need to be updated in the CHI database). The state and condition assessment and monitoring upgrade forms have been provided and the CHI team are currently inputting the data into the overall survey condition and monitoring spreadsheets.</p> <p>* Survey of the Southern Coast has been put on hold until 2017/2018. Research into the Huia Timber Milling Industry associated with the Gibbons family in particular has been contracted to a subconsultant and research is underway.</p> <p>**The reports on the Piha tramline and the Bethells historic settlements are still in draft - but the final reports are being worked through by the CHI team (Mica).</p>	<p>Waitakere Ranges Survey- ongoing . Survey of the southern coast of the Waitakere Ranges(Green Bay - Whatipu) is ongoing .</p> <p>Timber Milling Industry research into the extensive milling sites and infrastructure that operated 1850-1910 in the Huia Area is expected to be completed in June 2018. Archeological research on the Piha Tramline and the Maori settlements of Waiti Village and Parawai Pa at Bethells are expected to be completed in June 2018.</p>
CULTURAL AND BUILT HERITAGE							
TANGATA WHENUA	Engagement with Tangata Whenua	North West Planning in association with Te Waka Angamua	Initial discussions with Te Waka Angamua to establish possible process.	To develop Deeds of Acknowledgement and identify and implement opportunities for promoting kaitiakitanga and other means by which Council can better meet its obligations under the Act .	On hold.	On hold.	Council officers to work with Te Kawerau a Maki over the next period to explore opportunities for naming local parks.
	Te Henga Marae	Community Policy and Planning (West)	Continuing to meet with Te Kawerau Tribal Authority in terms of finalising lease over council reserve land at 240 Bethells Rd, Te Henga, for the purposes of construction of a marae and papakainga by Te Kawerau a Maki.	Agree the conditions of a lease to Te Kawerau Tribal Authority over Council reserve land at 240 Bethells Rd, Te Henga, for the purposes of construction of a marae and papakainga by Te Kawerau a Maki.	On hold.	On hold.	On hold.
	Pou installation and maintenance	Regional Parks	Te Kawerau A Maki consulted and provided advice and recommended contractor to undertake work. Contractor engaged by Council.	To strengthen and re-establish connections between Tangata Whenua and the WRHA and surrounding landscape. The project was instigated many years ago by 'Friends of Arataki' who have provided the funding for the project.	Pou in the Waitākere Ranges will continue to be maintained as agreed with Te Kawerau A Maki.	Pou in the Waitākere Ranges will continue to be maintained as agreed with Te Kawerau A Maki.	Land continues to be managed as a part of the Waitākere Ranges Regional Park in terms of the Regional Parks Management Plan 2010. Te Kawerau a Maki were consulted on the management policies and interpretation on the Taitomo Special Management Zone

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
INTERPRETATION	Documentation of Oratia's heritage and enhancement of Oratia Village's public open spaces	North West Planning	Te Kawerau Iwi Tribal Authority was engaged during the preparation of Oratia Masterplan and declared interest in being involved in the design of gateway to the WRHA along the road corridor.	Implementation of Oratia Local Area Plan actions.	Construction of a shared path is scheduled for completion in February 2017.	Shared pathway construction completed.	Completed
RECREATION OPPORTUNITIES AND VISITOR MANAGEMENT							
	Waitākere Ranges Heritage Area Local Parks Design Guidelines	Local and Sports Parks (West)	Mana Whenua are providing input on this project. A hui was held with Te Kawerau a Maki on 12/07/16	Development of local parks design guidelines for the WRHA	WRHA Local Parks Design Guideline is being prepared and has had input from Te Kawerau o Maki already. Two sets of public consultation are scheduled for this project – the first approximately March 2017 and the second in September. Prior to both of these, the draft guidelines will be presented to the local board for review and to approve of the public consultation material. Both consultation sessions will run for 10 weeks. These are approximate dates only.	Draft guidelines have been presented to the local board and public consultation is scheduled for spring 2017 through a series of open days	Workshops held with Local Board in 2017. Consultation deferred to summer 2018 at the request of the the Local Board. Dates/locations being finalised for open days scheduled for Feb/March 2018.
VISITOR MANAGEMENT	Vehicle counts	Regional Parks	Management of visitors to Waitākere Ranges Regional Park subject to relevant Regional Park Management Plan tangata whenua management polices which includes consulting with Te Kawerau a Maki and Ngāti Whātua regarding management of Parkland.	To assist informed decision making.	Vehicle numbers continue to be counted at selected entry points into the Waitākere Ranges Regional Park for the 2015/16 FY and indicate that the number of visits to the Waitākere Ranges regional parks continues to grow. Based on a survey undertaken in 2015 which established the number of people per vehicle, the number of visits at the monitored sites has increased by 24% (to 788,382 visits) during the 2014/15 FY. The main increases have occurred at Cornwallis, Glen Esk and Lake Wainamu, with decreases occurring at Karamatura and Cascades-Kauri.	Statistics on this matter are currently being collated for inclusion in the 2018 five yearly monitoring report	Vehicle numbers continue to be counted at selected entry points into the Waitākere Ranges Regional Park for the 2017/18 financial year and indicate that the number of visits to the Waitākere Ranges regional parks continues to grow. The Waitakere Ranges has shown an increase of 0.8% to 617,328 (at monitored sites) and the ten year trend is steadily increasing at approximately twice the population growth rate.
	Track counts	Regional Parks	As per above.	To assist informed decision making.	Counters have been maintained within Protection areas on closed tracks. Counters are showing ongoing usage on all tracks.	Track counters within the Kauri Protection areas continue to show varying levels of useage	Vehicle numbers continue to be counted at selected entry points into the Waitākere Ranges Regional Park for the 2016/17 FY and indicate that the number of visits to the Waitākere Ranges regional parks continues to grow. The Waitakere Ranges has shown an increase of 0.8% to 617,328 (at monitored sites) and the ten year trend is steadily increasing at approximately twice the population growth rate.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
DEVELOPMENT OF FACILITIES AND OPPORTUNITIES	Track maintenance and upgrades (Regional Park)	Regional Parks- Stephen Bell	As per above.	To provide a range of appropriate recreational opportunities.	<p>Progress:</p> <ol style="list-style-type: none"> 1. Muir Track renewal work was completed late 2016 2. Work was required to re-align the proposed renewal route of the Kauri Grove Track to keep it away from an unstable cliff area and ensure a safer walk – The final route and construction methodology is still to be confirmed. 3. Swanson pipeline surface renewal completed late 2016 4. Awaiting consent (lodged late 2016) for the Zion Hill track renewal works 5. Awaiting planning approval to replace the lower section of stairs on Lion Rock at Piha 6. Resource consent has been issued for the renewal of a section of Whites Track to reduce the road walking required on Anawhata Road 7. Design work for the replacement of a boardwalk in the Pararaha Valley and installation of a bridge across the Pararaha Stream in the Whatipu area is being reviewed to ensure minimal visual impact while still meeting the functional requirements. 	<p>Progress in the first 6 months of 2017 is as follows:</p> <ol style="list-style-type: none"> 1. Muir Track work completed. 2. Ongoing discussions on the alignment and methodology to undertake improvements to the Kauri Grove Track have delayed starting the work. 3. A new safe walking section (off road) off Whites Track at Anawhata has received consent and development work has started. 4. Resource consent has been obtained for the Zion Hill track renewal works . 5. Approval to undertake the replacement of the lower section of stairs on Lion Rock at Piha has been obtained . 6. Design work for the replacement of a boardwalk in the Pararaha Valley and installation of a bridge across the Pararaha Stream in the Whatipu area continues to ensure the solution fits the environment and functional requirements . 6. The clearance of vegetation intruding upon the tracks has been undertaken throughout the Waitakere Ranges 	<p>Progress in the last 6 months of 2017 is as follows:</p> <ul style="list-style-type: none"> - The clearance of vegetation intruding upon the tracks has been undertaken throughout the Waitakere Ranges - Maintenance works have been completed on the following tracks: - Omanawanui Track - Puriri Ridge Track - Kuataika Track - Houghtons Track - Gibbons Track - Auckland City Walk - Connect with Winstone Tracks - Despite years of planning the Kauri Grove Track work has been reprioritised with funds moved to deal with more pressing track issues at Back Taylor Track. - Zion Hill track renewal works have been completed. - Tracks running through Kauri Protection areas have been permanently closed with track entrances deconstructed to disguise the previous tracks. Signage associated with each track has been removed & maps modified.
	Hillary Trail	Regional Parks	As per above.	To provide a range of appropriate recreational opportunities.	Tracks maintained as part of the Regional Park Track Maintenance programme.	Tracks maintained as part of the Regional Park Track Maintenance programme.	Tracks maintained as part of the Regional Park Track Maintenance programme.
	Arataki Aerial Walkway	Regional Parks (West)	Management of Arataki Visitor Centre subject to relevant RPMP tangata whenua management polices which include consulting with Te Kawerau a Maki regarding development proposals which affect the Visitor Centre.	To provide a range of appropriate recreational opportunities.	Project on hold	Project remains on hold	Project remains on hold
	Waitākere Ranges Foothills Walkway	Local and Sports Parks (West)-Brett Lane	Consulted in 2010 as part of the legacy project. Now consulted as the different walkway sections are undertaken.	A walkway across the rural eastern foothills of the Waitākere Ranges from the Swanson Railway Station in the north to the Arataki Visitor Centre and Titirangi in the south.	<p>Ongoing: Note - The Swanson Walkway and Mountain Road Walkway are part of the Waitākere Ranges Foothills Walkway.</p> <ul style="list-style-type: none"> • The Scenic reserve walkway section has now been completed; • The walkway connection Huia Rd to Rimataka place is scheduled to start Feb 2017 (ending May); • The Henderson Valley section is currently being considered and cost estimations are in progress. 	Maisa Aldeen Siebel Reserve complete but some remediation work required on boggy sections. Rimataka Place is completed with just planting to be finished . Henderson Valley underway.	Maisa Aldeen Siebel reserve is complete as is Rimataka Place. The Henderson Valley walkway is nearly complete .

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Swanson Walkway	Local and Sports Parks (West)	Te Kawerau a Maki - Email updates /correspondence 9/8/13, 14/8/13, 17/9/13,15/5/14, 20/5/14. Meeting 17/10/13. Ngāti Whātua - meeting 25/11/13	Construction of a section of the Foothills Walkway from Candia Road, south through Coulter Rd, Perris Road (unformed) Seibel Reserve, Seibel Road and Vineyard Road.	Perris Road section on hold - The volunteers have pulled out halfway through construction of Perris Road walkway construction, contractors are being considered to complete the work.	Boundary fencing was completed but volunteers have pulled out of track construction. No budget is currently available to undertake this work. Options being investigated as to how best to take this project forward.	The Seibel Reserve section is complete along with the Rimutaka Place section. An opening day was held for the Rimutaka section in November 2017, with a good turn out of local people. Parks and Places Specialists are having conversations with Te Kawerau a Maki about naming of this section. The Henderson Valley walkway is almost completed. If funding allows we will be investigating the possibility of completing the Perris Road section.
	Mountain Road Walkway	Local and Sports Parks (West)	Correspondence advising of project sent 25/08/15 to Te Ara Rangutu o Te iwi o Ngāti Te Ata Waiuhua; Te Kawerau o Maki ; Ngāti Whātua o Ōrākei	Construction of a section of the Foothills Walkway to provide a safe path for local residents and visitors to the area.	Mountain Road walkway section completed August 2016	completed	See comments above. No budget was allocated for the volunteer component of this work. This is dependent on making savings on the other sections of the walkway. As the other sections are almost complete available funding should be able to be confirmed by the end of February 2018
	Waitākere Valley trails	Community Empowerment-, Eryn Shields ,	A hui between Waitākere Valley Trail group and Te Kawerau Iwi Tribal Authority took place in December 2016, where the group and iwi agreed on future engagement for iwi input into the design and location of future trails.	Implement actions in the Te Henga (Bethells Beach) Local Area Plan which relate to the development of trails for safe walking and cycling	The Waitākere Valley trails group received support in principle from the Waitākere Ranges Local Board and initiated discussions with Auckland Transport and iwi to progress the design of tracks that have been identified as a priority in the Te Henga Coastal Village.	The Waitakere Valley Trails Group after some redesign of the Bethells section of the walkway, received Auckland Transport support for the eventual acceptance of the works in the road.Design and consenting for this underway by the Trails Group.	Developing scope of stage 1 walkway section,... Mosquito Lane to Waita Stream bridge , and working to engage professional support for the groups actions and project implementation
	Little Huia Concept Plan - toilets	Regional Parks - Stephen Bell and Neil Olsen	Letter advising of the project sent to Te Kawerau A Maki, Ngāti Whātua o Ōrākei , Ngāti Whātua o Kaipara, Ngāti Tamaoho, Ngāti Te Ata Waiohua, Te Runanga o Ngāti Whātua & Te Akitai Waiohua.	Progressively implement the projects identified in the Little Huia Concept Plan, approved by council in 2010.	Completed	completed	Completed
	Little Huia Concept Plan - boat ramp/ car parking	Regional Parks - Stephen Bell	No specific consultation in relation to this project due to it being 'on hold'. Letter advising of the Huia Concept Plan sent to Te Kawerau A Maki, Ngāti Whātua o Ōrākei , Ngāti Whātua o Kaipara, Ngāti Tamaoho, Ngāti Te Ata Waiohua, Te Runanga o Ngāti Whātua & Te Akitai Waiohua.	Progressively implement the projects identified in the Little Huia Concept Plan, approved by council in 2010.	On hold	onhold	Not Progressed
	Pararaha Toilet	Regional Parks	Te Kawerau A Maki consulted in 2013 on project to replace / relocate toilet at Pararaha.	Replacement of a poorly functioning composting toilet at Pararaha.	Completed	completed	Completed
	Karamatura Seawall	Regional Parks- Stephen Bell	No iwi involvement as maintenance project.	A small wooden seawall has been undermined and is gradually being damaged by the sea.	Progress: Feedback received from a group within the local community requesting community consultation before final decision made. Seawall fenced off while further advice sought and consultation undertaken.	A letter outlining the planned works and resulting outcomes has been sent to local residents . Further community conversation is being undertaken prior to work commencing	Feedback from Huia Residents &Ratepayers that members wanted the sea wall retained although would be pleased to see the beach restored to a more natural state. This is not consistent with advice Regional Parks have received which recommends the removal of the sea wall (much of which is unconsented and in significant disrepair or already failed) and the return of the foreshore to a more natural form.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Hinge House Veranda Replacement	Regional Parks	No iwi involvement as maintenance project.	The concrete verandah at Hinge House has a large crack across it and requires repair.	Completed	completed	Completed
	Regional Park Car park bollard replacement	Regional Parks	No iwi involvement as maintenance project.	Vehicle barriers in a number of car parks throughout the Waitākere Ranges are failing and requiring replacement.	Completed	completed	Completed
	ZigZag Track Bridge replacement	Regional Parks	Letter about the project sent to Te Kawerau A Maki, Ngāti Whātua o Ōrākei , Ngāti Whātua o Kaipara, Ngāti Tamaoho, Ngāti Te Ata Waiohua, Te Runanga o Ngāti Whātua & Te Akitai Waiohua.	The bridge on ZigZag track has failed and requires replacement.	Completed	completed	Completed
	Karekare beach and Surf Club access	Regional Parks	Te Kawerau a Maki consulted regarding proposal, and indicated support subject to various requirements being met which Council has addressed in the resource consent applications (Ref: LUC 2014-1863 & 2014-1864) currently being processed. Ngāti Whātua o Ōrākei , Ngāti Whātua o Kaipara, Ngāti Tamaoho, Ngāti Te Ata Waiohua, Te Runanga o Ngāti Whātua & Te Akitai Waiohua also advised per mail letter.	Access to Karekare Beach and the Surf Club have become significantly restricted due to high stream water levels. This is an ongoing issue. And is preventing people getting to the beach / club.	Application for Resource Consent was publicly notified on the 17 November 2016.	Several submissions were received . Still awaiting consent approval . Forecast cost increases have resulted in the need to review the budget.	Consented but design exceeded budget. Project has been reviewed through council's internal Investigation and Design Team. As at march 2018 awaiting outcome of that review.
	Radar Station Interpretation	Regional Parks	Iwi conversation still to be had.	Design for Interpretation of the Radar station.	Completed	completed	Completed
	Arataki Visitor Centre Interpretation renewal	Regional Parks	Management of Arataki Visitor Centre subject to relevant RPMP tangata whenua management policies which include consulting with Te Kawerau a Maki regarding development proposals which affect the Visitor Centre.	Design for renewal / updating the Arataki Visitor Centre interpretation / displays.	Completed	completed	Completed
	Piha community wetland project	Community Empowerment	Initial briefing conversation with iwi (September 2016).	Public ownership and community stewardship of a regenerating wetland in Piha for environmental, recreational and community outcomes	Decision about acquisition made.	Acquisition process is underway	The site was acquired by Council in late 2017 and currently sits in the local parks portfolio. Several stakeholder meetings including with iwi have been held about the future of the site and old school house. Discussions are underway about the possible lease of the building and a ecological update report is being prepared as to what might be required to restore the wetland. Other considerations are walking trails, possibility of low scale cycling, sculpture, interpretation and picknicking. Resolution of this planning phase is envisaged over the next six months.
	Design work will be undertaken to enable the Mahoe Rd Track to Zig Zag Track to be re-opened.	Regional Parks		Reopen Mahoe Rd Track to enable its reconnection to the Zig Zag Track		Progress: Requires design work to be undertaken with view to lodging a building consent application in early 2017. Engineer currently checking for any additional consenting requirements which may be required for the renewal.	As part of the Regional Park this project is likely to be put on hold given the kauri die back situation and pending further Waitakere Ranges planning.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Zig Zag Tk connecting Titirangi Beach Road to Titirangi Beach.			Reestablishment of the closed section of Zig Zag Tk connecting Titirangi Beach Road to Titirangi Beach.	Progress: Work schedule is currently being prepared. Requires design work and may require a resource consent application.	Requires design work to be undertaken with view to lodging a building consent application in early 2017. Engineer currently checking for any additional consenting requirements which may be required for the renewal.	As part of the Regional Park this project is likely to be put on hold given the current situation regarding the kauri die back situation and pending further Waitakere Ranges planning.
	Zion Hill Track in Karekare			The renewal of the Zion Hill Track in Karekare	Progress: Resource consent lodged December 2016 Tendering process for works scheduled for early 2017.	Work schedule currently being prepared. Requires design work and may require a resource consent	Completed
	Karamatura Valley Toilet			Renew the Karamatura Valley Toilet	Progress: Design work is underway. Further archaeological work is required prior to lodging for consent following awareness of archaeology in the immediate area	to be completed in August 2017	The Heritage Team has approved the proposed location and implementation planning has begun with work to start late in 2018
	Cascades Kauri toilet block at Falls Road			Renew the Cascades Kauri toilet block at Falls Road.		Design work underway , implementation will require resource consent.Aiming for construction in October/November 2017	Building consent has been lodged and implementation steps will take place in early 2018
	Fencing repairs and maintenance	Regional Parks		Ongoing maintenance and repair of fencing at Pae o te Rangī	Planned project for 2017-2018	ongoing.	ongoing.
	Arataki Nature Trail-renew trail	Regional Parks		Renew sections of the Arataki Trail	Planned project for 2017-2018	ongoing.	Planning undertaken. Further design work underway.
	Arataki Visitors Centre -paint/stain exterior and interior including roof	Regional Parks		undertake exterior and interior restain/repaint including roof	Planned project for 2017-2018	Planned project for 2017-2018	Exterior of the building has been prepared for painting. Currently awaiting confirmation of date for exterior painting.
	Bethells Beach , Lake Wainamu -Renew jetty	Regional Parks		Bethells Beach , Lake Wainamu-renew jetty	Planned project for 2017-2018	Planned project for 2017-2018	Planning underway. Project currently sitting with Community Facilities Project team.
	Cascade Falls - renew carpark	Regional Parks		Cascade Falls - renew carpark to help manage visitor demand-renew CCTV to improve visitor safety and security	Planned project for 2017-2018	Planned project for 2017-2018	Planning underway. Project currently sitting with Community Facilities Project team.
	Piha Domain	Regional Parks		Mt Puke and Falls Road . Piha Domain-Renew workshop and office and information Board	Planned project for 2017-2018	Planned project for 2017-2018	Planning underway. Project currently sitting with Community Facilities Project team. Draft design work completed and under review.
	Piha Mill Camp	Regional Parks		Piha Mill Camp, Glenesk Road , Piha . Redecorate interior of toilet block	Planned project for 2017-2018	Planned project for 2017-2018	Planning underway. Project currently sitting with Community Facilities Project team.
	Piha Regional Park - The Gap/Byers Block -signage	Regional Parks		Piha Regional Park -The Gap/Byers Block -signage	Planned project for 2017-2018	Planned project for 2017-2018	Planning underway
	Piha Regional Park - The Gap/Byers Block - Western sector -track. subject to concept plan approval	Regional Parks		Piha Regional Park -The Gap/Byers Block -Western sector -track. subject to concept plan approval	Planned project for 2017-2018	Planned project for 2017-2018	Concept Plan approved. Investigation and Design work being undertaken. Track development work will be dependant on funding.

Topic/Work Stream	General	Lead Council Units and contacts	Iwi Engagement	Description/ Outcomes Sought	Progress July 2016-Dec 2016	Progress Jan 2017-July 2017	Progress July 2017 - January 2018
	Project K -Renewal of a retaining wall behind garage at Little Huia	Regional Parks		Project K -Renewal of a retaining wall behind garage at Little Huia	Planned project for 2017-2018	Planned project for 2017-2018	Building consent has been issued. Awaiting contractor to complete works.
	Western sector - renewal of sections of cornwallis wharf and high risk structures	Regional Parks		Western sector - renewal of sections of Cornwallis wharf and other high risk structures	Planned project for 2017-2018	Planned project for 2017-2018	Assessment undertaken by coastal structural specialist. Awaiting result to enable works to be tendered and completed. Some damaged areas in the 26/03/2017 event,(landings of the Cornwallis Wharf) have been closed and access blocked. Arataki access boardwalk to viewing platform has been secured with long term repair designed and awaiting tender.