



9 Te mana kua uhia / Powers conferred

The Principal Officer (Chief Executive) of Auckland Council may appoint authorised persons to exercise the functions, powers and duties under the Biosecurity Act in relation to a RPMP.

Auckland Council will use those statutory powers of Part 6 of the Biosecurity Act as shown in Table 7 or any other such relevant powers under the Act, where necessary, to help implement this plan.

Table 7 Powers from Part 6 of the Biosecurity Act to be used.

Power	Section of the Biosecurity Act
The appointment of authorised and accredited persons	Section 103(3) and (7)
Delegation to authorised persons	Section 105
Power to require assistance	Section 106
Power of inspections and duties	Section 109, 110 and 112
Power to record information	Section 113
General powers	Section 114 and 114A
Use of dogs and devices	Section 115
Power to seize abandoned goods	Section 119
Power to intercept risk goods	Section 120
Power to examine organisms	Section 121
Power to apply article or substance to place	Section 121A
Power to give directions	Section 122
Power to act on default	Section 128
Liens	Section 129
Declaration of restricted areas	Section 130
Declaration of controlled areas	Section 131
Options for cost recovery	Section 135
Failure to pay	Section 136

Note: Any non-compliance with the Biosecurity Act, or contravention of any rules under the RPMP will be subject to the enforcement provisions under Part 8 of the Biosecurity Act.

An occupier or any person in breach of a plan rule creates an offence under s154N(19) of the Biosecurity Act, where the rule provides for this. Auckland Council can seek prosecution under s157(5) of the Biosecurity Act for those offences.

In the event that the Minister amends the Biosecurity (Infringement Offences) Regulations 2010 to provide for infringement notices to be applied to rules in Regional Pest Management Plans, Auckland Council may apply the use of infringement notices to any rule in this plan that provides for an offence under s154N(19).

A Chief Technical Officer (employed under the State Sector Act 1988) may appoint authorised people to implement other biosecurity law considered necessary. One example is where restrictions on selling, propagating and distributing pests (under s52 and s53 of the Biosecurity Act) must be enforced. Another example is where occupiers of land are asked for information (under s43 of the Biosecurity Act).



10 Tuku tahua pūtea / Funding

10.1 Ngā ara pūtea tahua me ngā take mō te tuku pūtea / Funding sources and reasons for funding

The Act requires that funding is thoroughly examined. This includes the reason for, and source of, all funding.

The Biosecurity Act 1993 and the Local Government (Rating) Act 2002 require that funding is sought from:

- People who have an interest in the plan
- Those who benefit from the plan
- Those who contribute to the pest problem

Funding must be sought in a way that reflects economic efficiency and equity. In general, efficiency is best achieved by targeting costs to those closest to a particular work where those paying can act in respect of those works. If the person deciding has to pay for the results of their action or inaction, they may change their behaviour to minimise costs. Doing so would lead to the least-cost outcome for society. But if another person pays those costs, the incentive to change behaviour is minimal. This may lead to a higher cost for society. Efficiency includes close targeting of costs to benefits and to those contributing to the problem (exacerbators). Where a collective public good is the primary benefit of the programme, the regional community may reasonably bear some costs in achieving the outcome through a general rate.

10.2 Ngā utu manako hei whakarite i te mahere / Anticipated costs of implementing the plan

Council has decided to fund implementation of the plan through a combination of general rates and a targeted rate that applies throughout the region. The natural environment targeted rate provides approximately \$161m for Auckland Council's implementation of this Regional Pest Management Plan over 10 years, in addition to \$85m from a general rate. Additional funding will be sought from strategic partnerships, specifically for mammal eradications on Kawau and Waiheke islands. In the case of Waiheke, at time of writing⁷⁶ over \$3.4m of aligned funding is already committed by other parties through Te Korowai o Waiheke.

⁷⁶ 1 February 2019

11 Aronga / Definitions



Unless the context clearly indicates otherwise, the following terms, as used in the plan, have the meanings set out below.

Abandon	Means to cease to support or to give up completely.
Animal	Any mammal, bird, fish, reptile or other vertebrate; any insect or other invertebrate. Any living organism, except a plant, micro-organism or a human being. Includes any egg, larva, pupa or other reproductive material.
Animal pest	An animal declared a pest in a national or regional pest management plan.
Biodiversity	The variability among living organisms from all habitats, including terrestrial, marine and other aquatic ecosystems and the ecological systems of which they are part of. This includes diversity within species, between species and of ecosystems.
Biodiversity focus area	Biodiversity focus areas are specific sites or spatial areas that have been identified by Auckland Council's Biodiversity Group to assist in conserving examples of the full range of indigenous ecosystems and species that are found in the region. Biodiversity focus areas are non-statutory, but enable Council to prioritise its effort and spend on ecosystem management activities to retain a representative range of the region's ecosystems.
Breed	For the purposes of this plan, means to breed, propagate or otherwise multiply the pest.
Building	A temporary or permanent movable or immovable structure (including a structure intended for occupation by people, animals, machinery, or chattels) and includes a vehicle or motor vehicle (including a vehicle or motor vehicle as defined in section 2(1) of the Land Transport Act 1998) that is immovable and is occupied by people on a permanent or long-term basis (Building Act 2004).
Biological control	Applying a natural enemy that will prey upon or adversely affect a pest with the intention of reducing the level of infestation of the pest.
Commercial transport operator	Commercial transport operators moving goods or people to or among islands in the Hauraki Gulf Controlled Area. Includes, but is not limited to, operators transporting by ferry, commercial ship, aircraft, or hire of kayaks or other recreational craft.
Communicate	For the purposes of this plan, means to move from one location to another.
Container	For the purposes of this plan, container includes but is not limited to any kayak, chilli bin, bucket or other vessel in which sea water may be transported.

Costs and benefits	Costs and benefits of any kind, whether monetary or non-monetary, and whether quantifiable or non-quantifiable.
Craft	For the purposes of this plan, craft means (i) an aircraft, ship, boat, or other machine or vessel used or able to be used for the transport of people or goods, or both, by air or sea; and (ii) an oil rig; and (iii) a structure or installation that is transported by being towed through the sea.
Critically endangered	For the purposes of this plan, means any species classified as nationally or regionally 'Critical' according to New Zealand Threat Classification System criteria.
Destroy	For the purposes of the rules in this plan, means to kill or dispose of in a manner that will not allow the pest to reinfest an area.
Disease	A disease is an impairment of the normal state of an organism that interrupts or modifies its vital functions. All species of plants, wild and cultivated alike are subject to disease.
Distribute	To propagate, offer for sale or sell, transport, release or in any way spread a pest, whether for commercial gain or not. Distribution has a corresponding meaning.
Ecosystem	A dynamic complex of plant, animal and microorganism communities and their non-living environment, interacting as a functional unit.
Effective containment	Conditions under which the subject would not reasonably be expected to escape into a wild state.
Effects	<p>Unless the context otherwise requires, the term 'effects'</p> <p>(a) includes the following, regardless of scale, intensity, duration or frequency:</p> <ul style="list-style-type: none"> (i) a positive or adverse effect; and (ii) a temporary or permanent effect; and (iii) a past, present or future effect; and (iv) a cumulative effect that arises over time or in combination with other effects; and <p>(b) also includes the following:</p> <ul style="list-style-type: none"> (i) a potential effect of high probability; and (ii) a potential effect of low probability that has a high potential impact.

Enclosed water body	For the purposes of this plan, means a water body that is entirely separated from any other water body, such that any contents of the water body would not reasonably be expected to reach any other water body without human assistance. For completeness, this means there must not be any water courses entering or exiting the water body, and the water body must be situated in such a position that inundation by flooding of nearby water bodies would not reasonably be expected.
Environment	Includes: <ul style="list-style-type: none"> (a) ecosystems and their constituent parts, including people and their communities; and (b) all natural and physical resources; and (c) amenity values; and (d) the aesthetic, cultural, economic and social conditions that affect or are affected by any matter referred to in paragraphs (a) to (c).
Eradication	To reduce the infestation level of a pest to zero levels in an area in the short to medium term.
Exclusion	To prevent the establishment of a pest or group of pests.
Exotic plant	Introduced plants that are not native to New Zealand.
Fish (v)	For the purpose of rules in Section 7.7.3 to fish means to catch, take or harvest any pest fish and includes: <ul style="list-style-type: none"> (a) any other activity that may reasonably be expected to result in the catching, taking or harvesting of any pest fish; or (b) any attempt to catch, take or harvest any pest fish.
Hauraki Gulf Controlled Area	That part of the Hauraki Gulf Controlled Area within the Auckland region.
Incursion	A recent occurrence of a plant or animal species previously unknown in the given area. Usually refers to highly invasive species.
Management agency	The body specified as the management agency in a pest management plan or a pathway management plan.
National Pest Plant Accord	A cooperative agreement between Nursery and Garden Industry New Zealand, regional councils and government departments with biosecurity responsibilities, to prevent the sale and/or distribution of specified pest plants where horticultural trade is the most significant way of spreading the plant in New Zealand.

National Policy Direction	<p>The direction approved under section 57 of the Biosecurity Act 1993. Its purpose is to ensure pest management plans provide the best use of available resources and align with one another, when necessary.</p> <p>See section 2 and Part 5 of that Act.</p>
Occupier	<ul style="list-style-type: none"> (a) in relation to any place physically occupied by any person, means that person; and (b) in relation to any other place, means the owner of the place; and (c) in relation to any place, includes any agent, employee, or other person, acting or apparently acting in the general management or control of the place.
Organism	<p>Organism:</p> <ul style="list-style-type: none"> (a) does not include a human being or a genetic structure derived from a human being; (b) includes a microorganism; (c) subject to paragraph (a), includes a genetic structure that is capable of replicating itself (whether that structure comprises all or only part of an entity, and whether it comprises all or only part of the total genetic structure of an entity); (d) includes an entity (other than a human being) declared by the Governor-General by Order in Council to be an organism for the purposes of the Biosecurity Act 1993; (e) includes a reproductive cell or developmental stage of an organism; (f) includes any particle that is a prion.
Pathogen	<p>An infectious agent such as a virus, bacterium, prion, fungus, viroid or parasite that causes disease in its host. The host may be an animal, a plant, a fungus or even another microorganism.</p>
Pest	<p>An organism specified as a pest in a national or regional pest management plan.</p>
Pest plant	<p>A plant that has been declared a pest in a national or regional pest management plan.</p>
Priority lake	<p>Sites included in the statutory programmes set out in section 7.6 of this plan, namely Rototoa and Tomarata.</p>
Progressive containment	<p>To contain or reduce the geographic distribution of a pest to an area over time.</p>

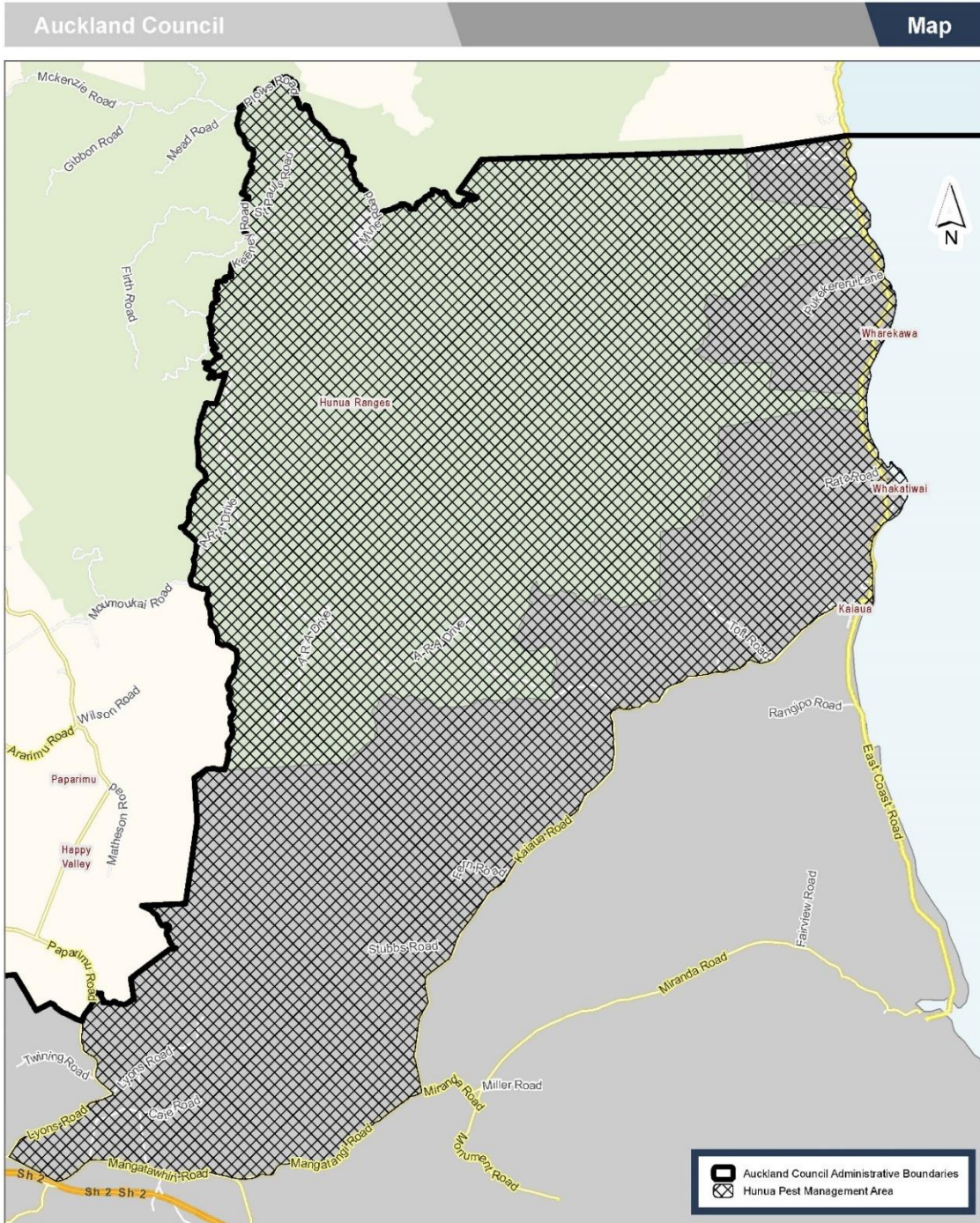
Propagation	To grow new plants from seeds or from pieces cut from an existing plant, or to make a plant produce more plants.
Plant	Any grass, tree, shrub, herb, flower, nursery stock, culture, vegetable, or other vegetation, and also includes the fruit, seed, spore, portion or product of any plant. Includes all aquatic plants.
Rail	Any rail corridor, whether in active use or not, as defined by the parcel boundary.
Region	As determined by the Local Government Act 2002: (a) means the region of a regional council; (b) includes the district of a territorial authority, if the territorial authority is a unitary authority.
Regional Pathway Management Plan	A plan for the prevention or management of the spread of harmful organisms made under Part 5 of the Biosecurity Act 1993. See the interpretation and Part 5 of that Act.
Regional Pest Management Plan	A regional plan for the eradication or effective management of a particular pest or pests made under Part 5 of the Biosecurity Act 1993. See the interpretation and Part 5 of that Act.
Release	For the purpose of this plan, means to set at liberty or allow to go at large, whether or not the act is deliberate or is a result of negligence or lack of care by the person having the pest organism in his ownership or care.
Rule	A rule included in a pest management plan in accordance with section 73 of the Biosecurity Act 1993. A breach of a rule constitutes an offence under the Biosecurity Act 1993.
Rural Auckland	For the purpose of this plan, means that part of the region designated rural by the Rural Urban Boundary as mapped in the Auckland Unitary Plan https://unitaryplanmaps.aucklandcouncil.govt.nz/upviewer/ .
Rural Urban Boundary	The boundary which defines the extent of urban development and the areas to be kept as rural areas in the Auckland region, as mapped in the Auckland Unitary Plan: https://unitaryplanmaps.aucklandcouncil.govt.nz/upviewer/ .
Secure containment	Means to keep an organism in a facility or structure that effectively prevents the escape or passage of that organism.

Sell	Includes barter; and also includes offering, exposing, or attempting to sell, or having in possession for sale, or sending or delivery for sale, causing or allowing to be sold, offered, or exposed for sale, and also includes any disposal whether for valuable consideration or not. 'Sale' has a corresponding meaning.
Significant Ecological Area	Areas of significant indigenous vegetation or significant habitats of indigenous fauna located either on land or in freshwater environments. In order to maintain indigenous biodiversity these areas are protected from the adverse effects of subdivision, use and development under the Unitary Plan http://unitaryplan.aucklandcouncil.govt.nz/Images/Auckland%20Unitary%20Plan%20Operative/Chapter%20D%20Overlays/1.%20Natural%20Resources/D9%20Significant%20Ecological%20Areas%20Overlay.pdf https://unitaryplanmaps.aucklandcouncil.govt.nz/upviewer/ .
Site-led pest programme	A pest programme that contains, reduces or controls the pest(s) within a place to an extent that protects the values of that place.
Species	For the purpose of this plan, a species includes all cultivars, varieties and forms of that species, unless otherwise stated; but excludes any hybrids of that species with another species, unless otherwise stated.
Sustained control	To provide for the ongoing control of a pest to reduce its impacts on values and its spread to other properties.
Threatened	For the purposes of this plan, means any species classified as nationally or regionally 'Threatened' according to New Zealand Threat Classification System criteria. For completeness, this includes sub-categories 'Critical', 'Endangered' and 'Vulnerable'.
Transport corridor	Any road or rail corridor, as defined above.
Untreated kauri plant material	Any part of any living kauri plant including but not limited to wood, bark, leaves, seeds, or any part of any dead kauri plant that has not been subject to timber processing. Untreated timber also includes woodchips and sawdust.
Urban Auckland	Means that part of the region designated urban by the Rural Urban Boundary as mapped in the Auckland Unitary Plan maps https://unitaryplanmaps.aucklandcouncil.govt.nz/upviewer/ .

12 Āpitihangā / Appendix



Āpitianga 1 Te Takiwā o Kohukohunui mō te whakahaere kaupapa koiora orotā / Appendix 1 Hunua Pest Management Area



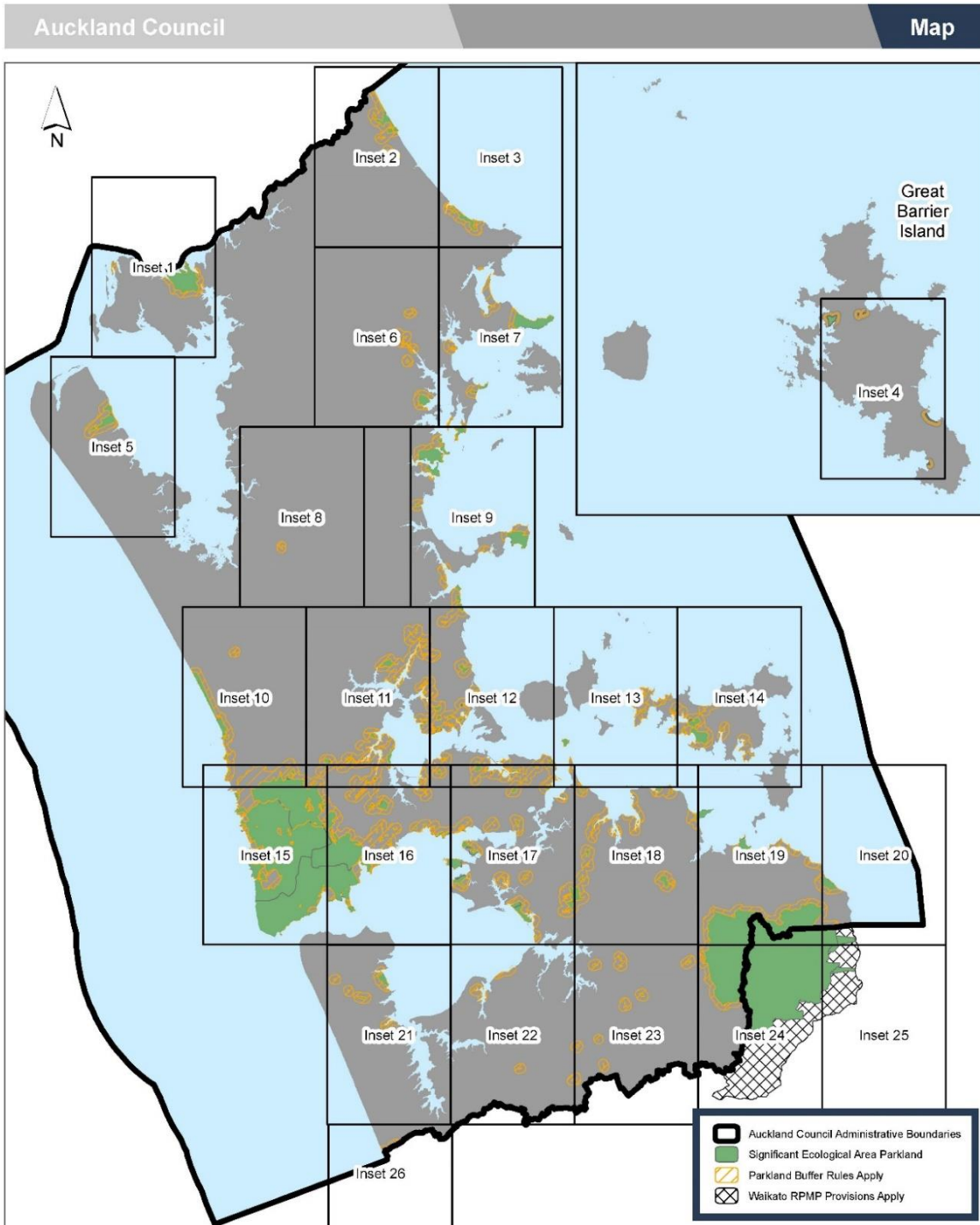
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Hunua Pest Management Area

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 Kilometers
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 Date Printed:
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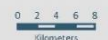


Āpitihangā 2 Whenua Papa Rēhia me ōna Rohe Hauropi Hiranga / Appendix 2 Parkland with Significant Ecological Areas



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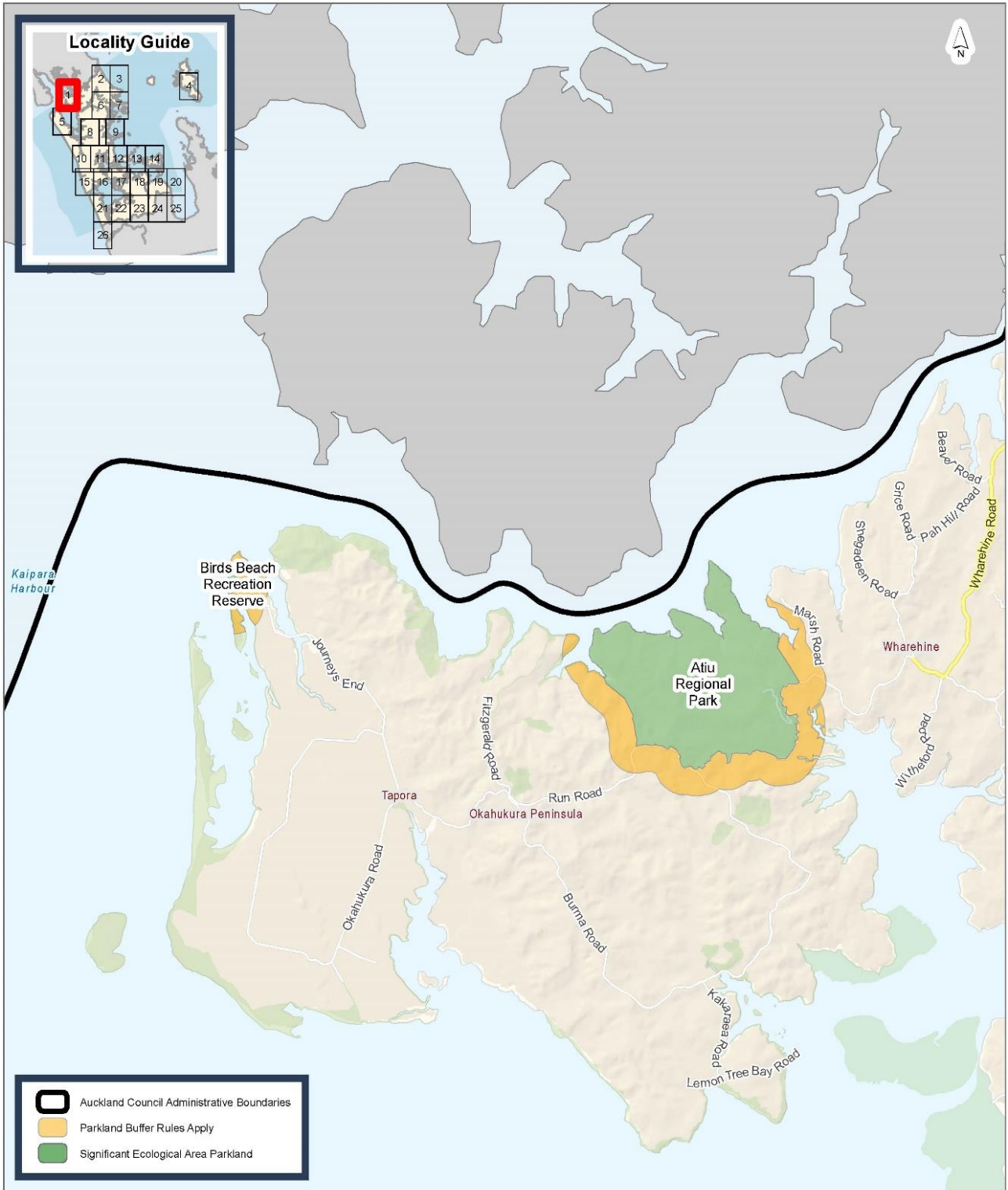
Regional Pest Management Plan Significant Ecological Area Parkland Index for Inset Maps



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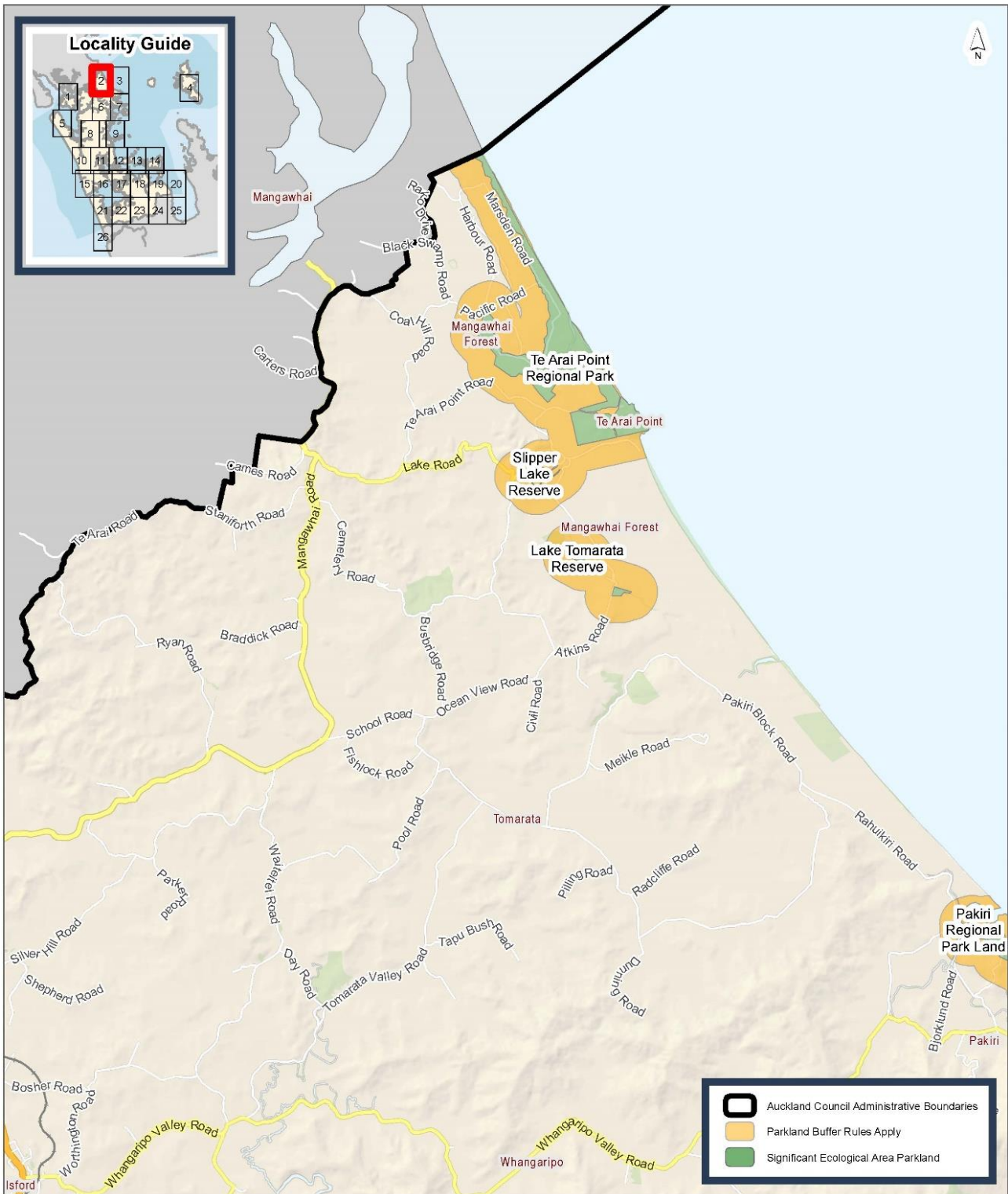
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Date Printed:
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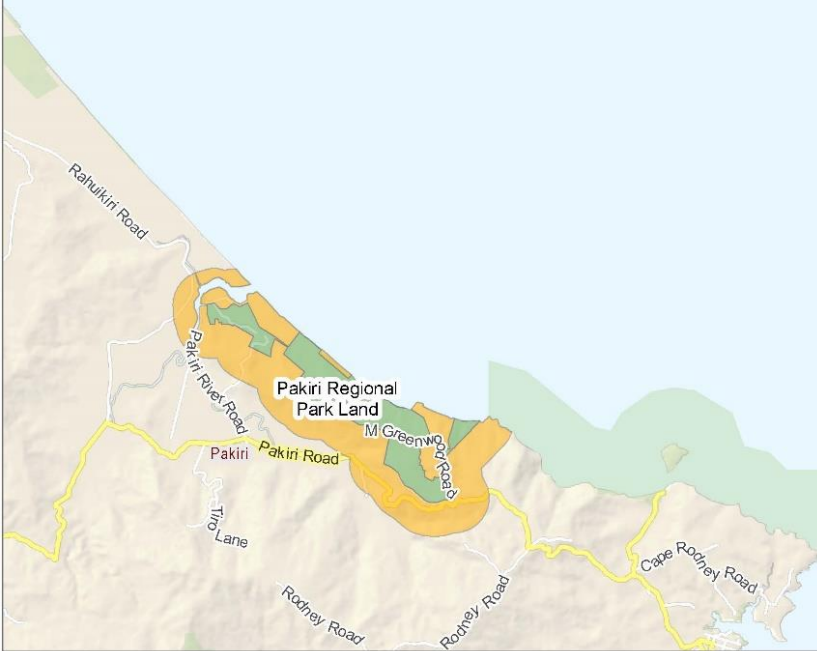
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Scale @ A4
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Date Printed:
 1/10/2020





-  Auckland Council Administrative Boundaries
-  Parkland Buffer Rules Apply
-  Significant Ecological Area Parkland

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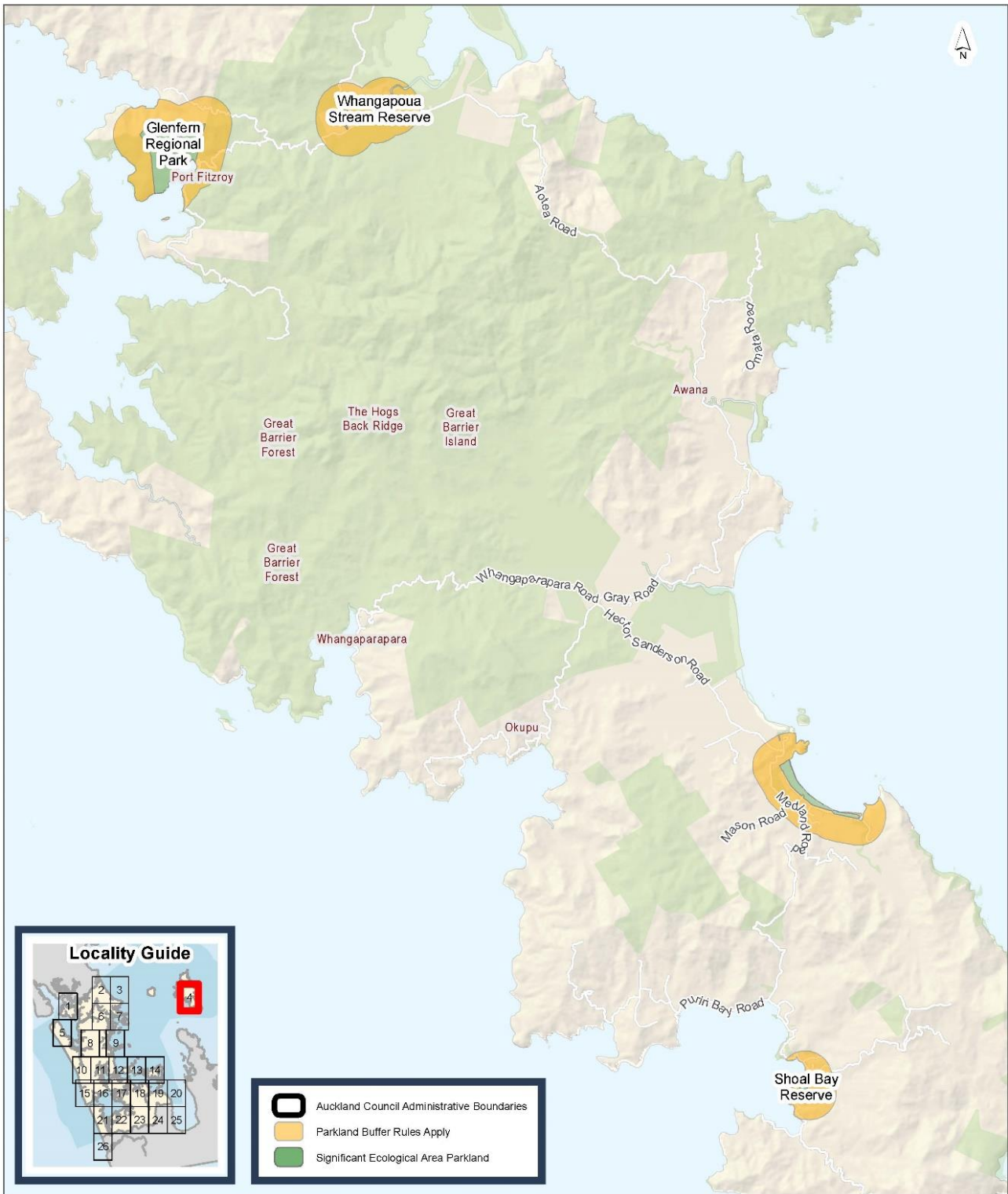
Regional Pest Management Plan Significant Ecological Area Parkland Inset 3

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Regional Pest Management Plan Significant Ecological Area Parkland Inset 4

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 Kilometers
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Regional Pest Management Plan Significant Ecological Area Parkland Inset 5

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 Kilometers
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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 6**



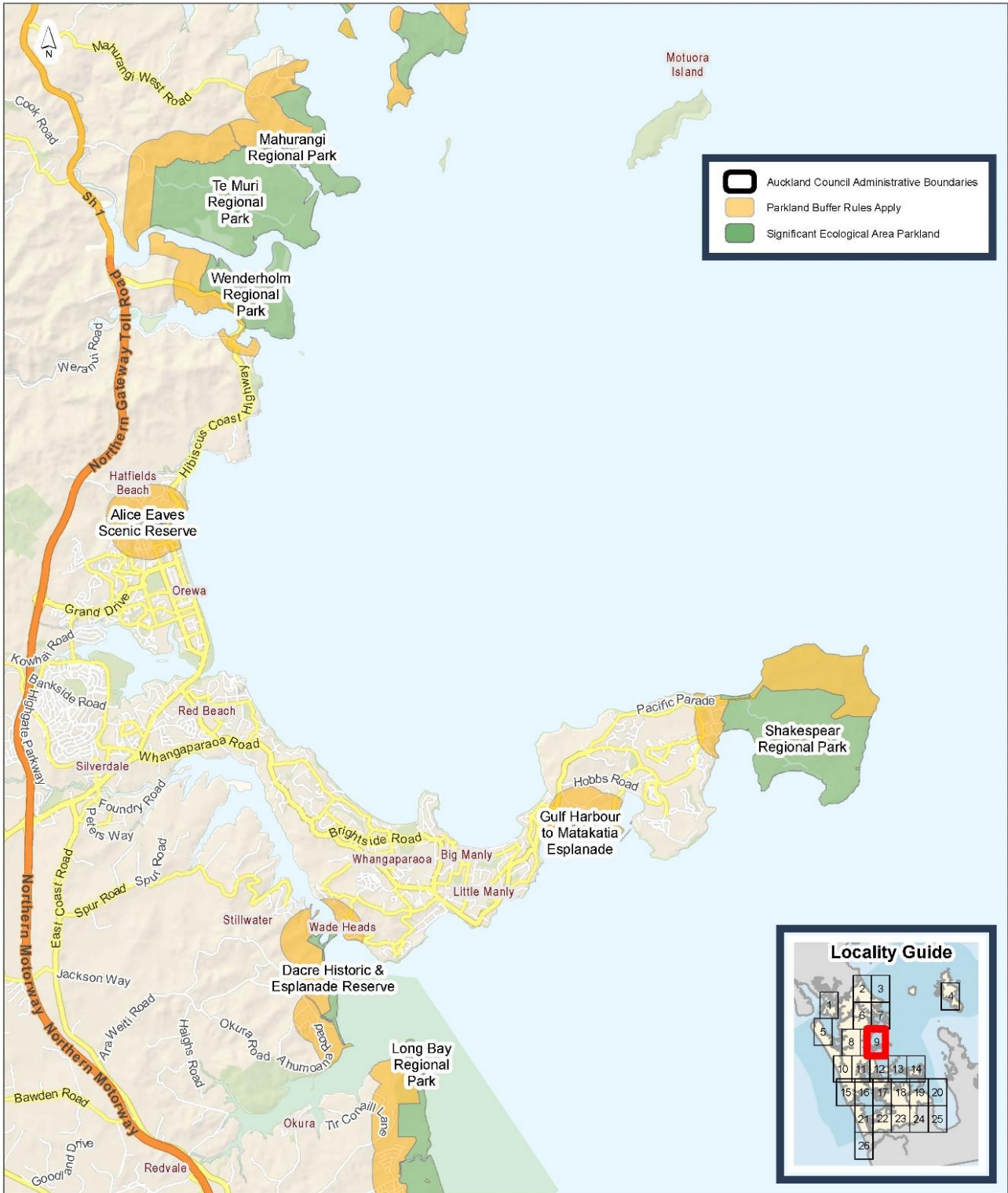


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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 8**

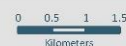
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Regional Pest Management Plan Significant Ecological Area Parkland Inset 9



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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 10**

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 Kilometers
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- Auckland Council Administrative Boundaries
- Parkland Buffer Rules Apply
- Significant Ecological Area Parkland

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Regional Pest Management Plan Significant Ecological Area Parkland Inset 12

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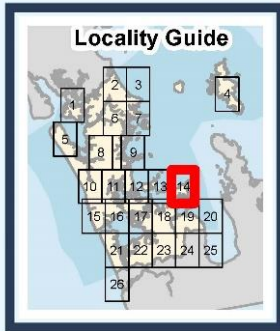


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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 13**

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 Kilometers
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-  Auckland Council Administrative Boundaries
-  Parkland Buffer Rules Apply
-  Significant Ecological Area Parkland



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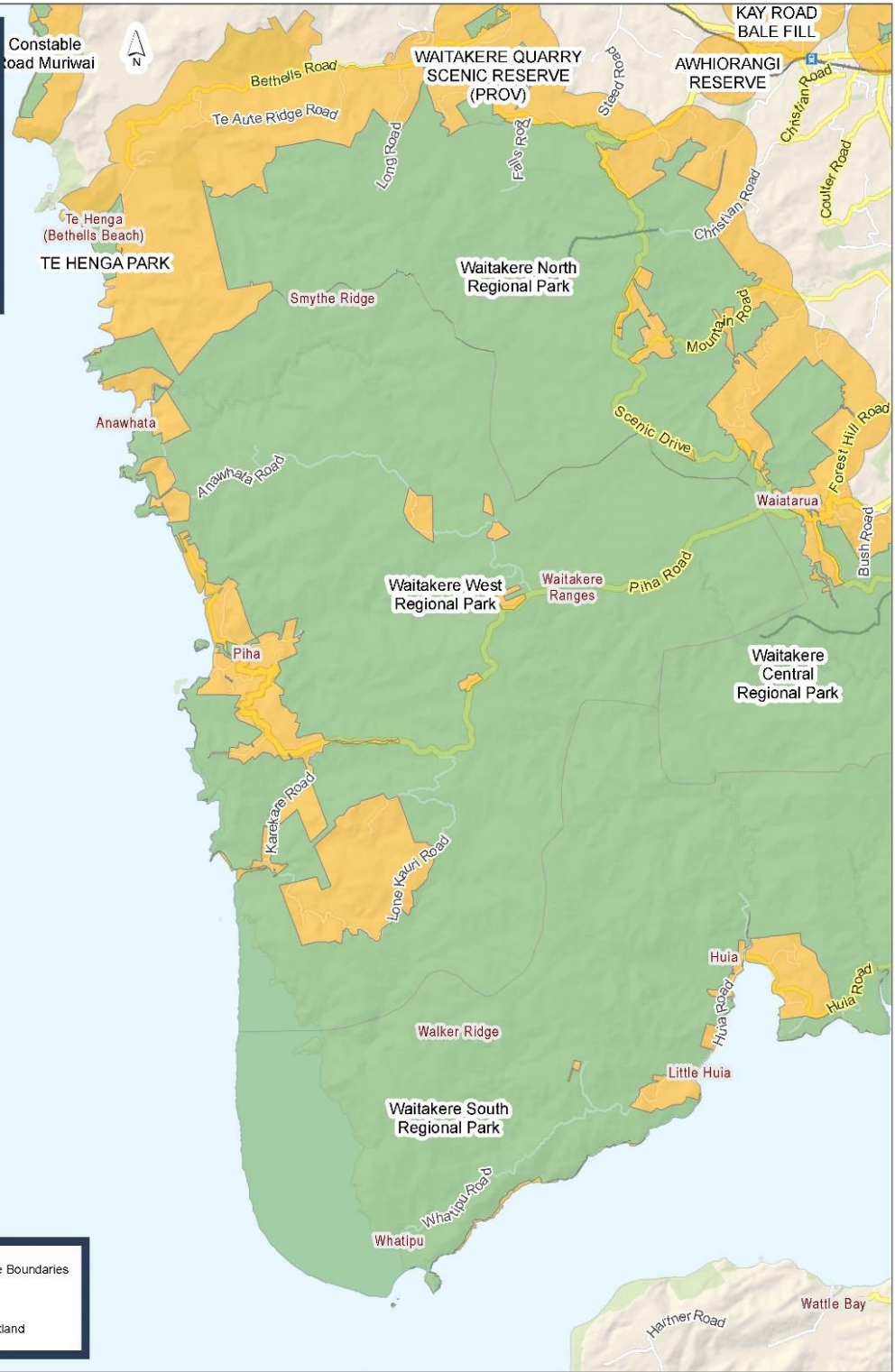
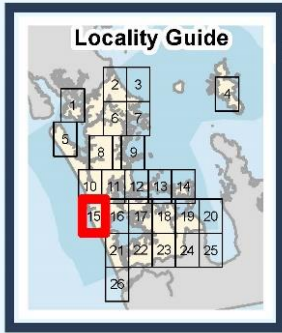
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 Kilometers

Scale @ A4
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Date Printed:
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- Auckland Council Administrative Boundaries
- Parkland Buffer Rules Apply
- Significant Ecological Area Parkland

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Regional Pest Management Plan Significant Ecological Area Parkland Inset 15

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 Kilometers

Scale @ A4
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Date Printed:
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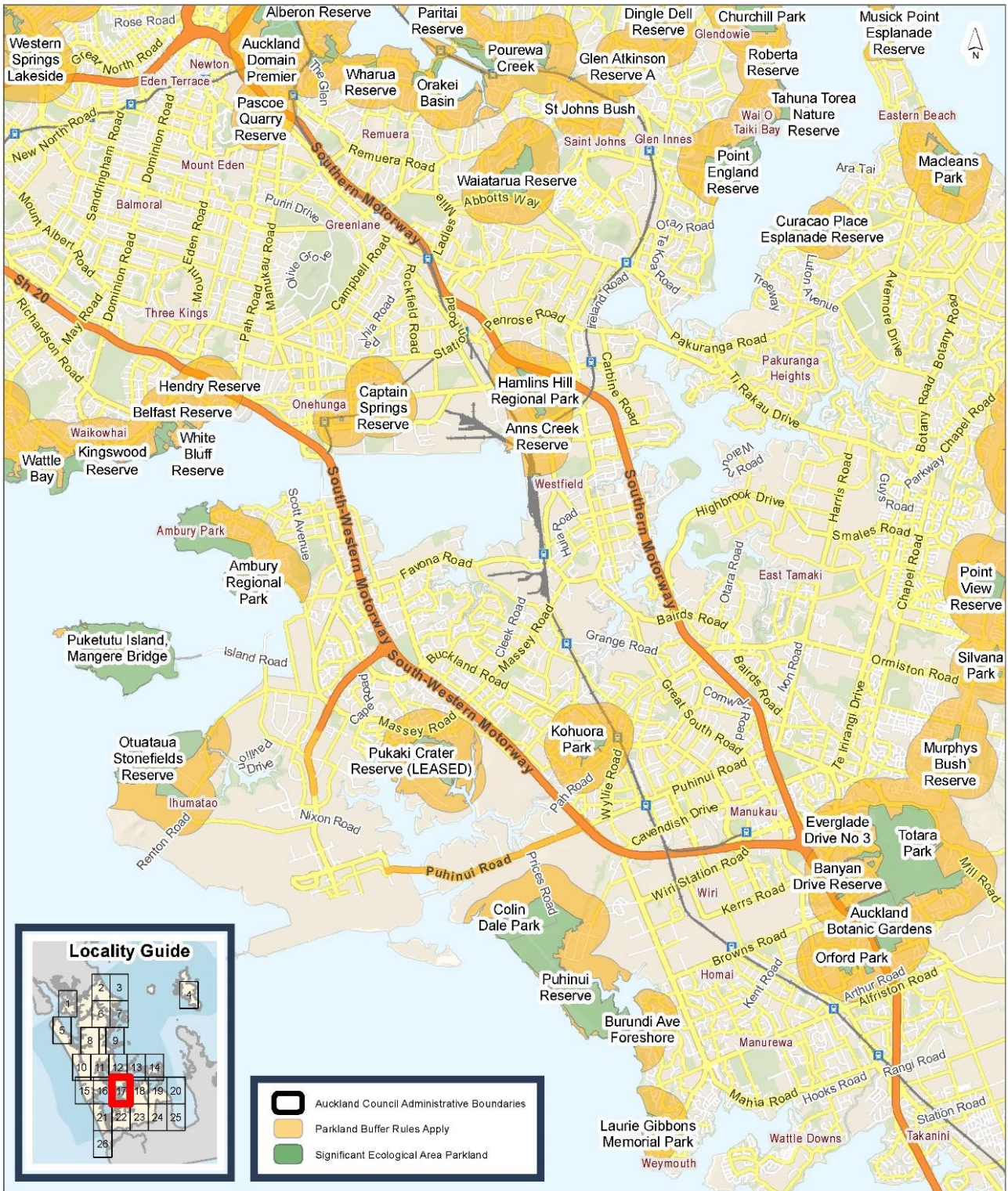


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Regional Pest Management Plan Significant Ecological Area Parkland Inset 16

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Date Printed:
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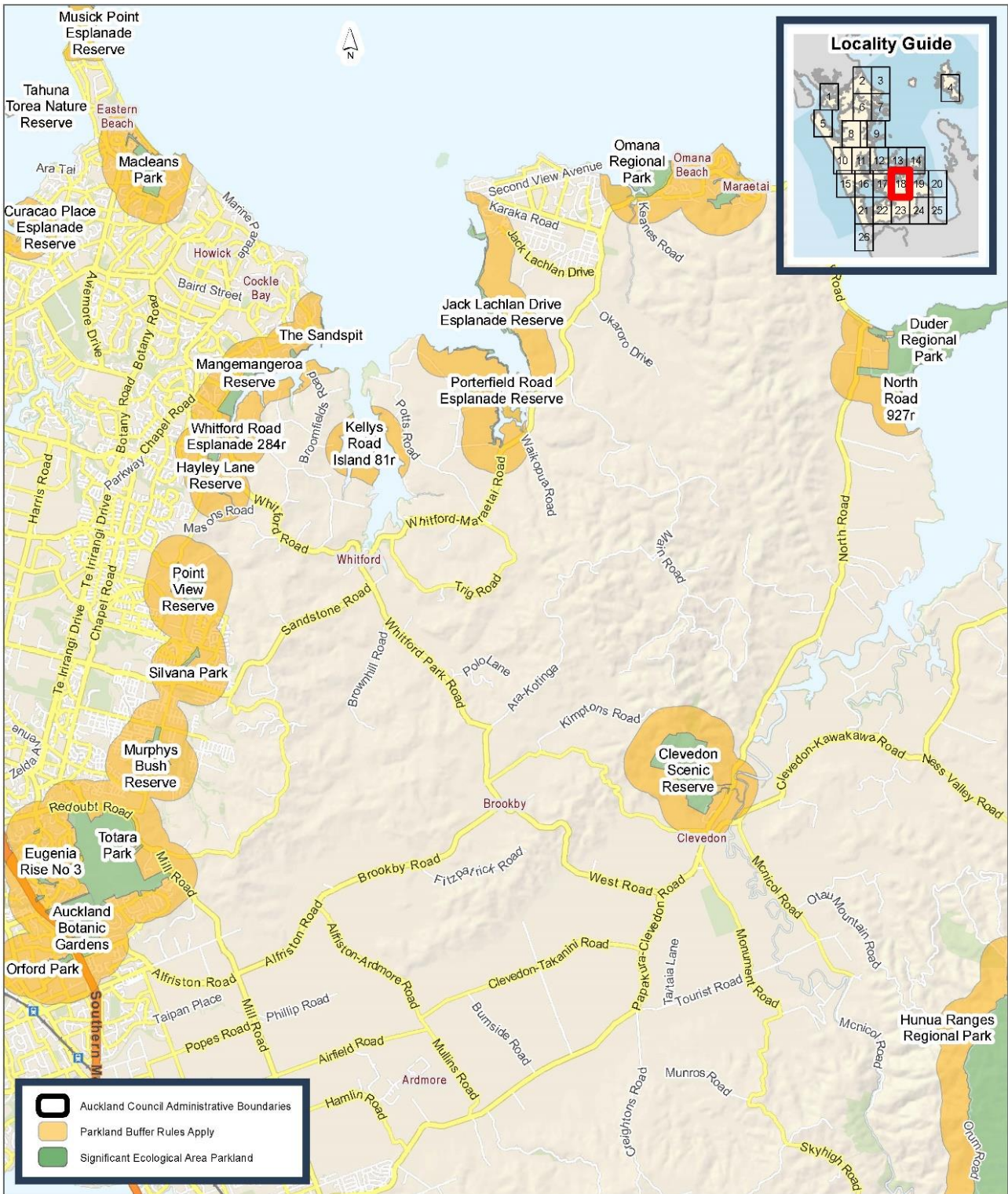
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Regional Pest Management Plan Significant Ecological Area Parkland Inset 17



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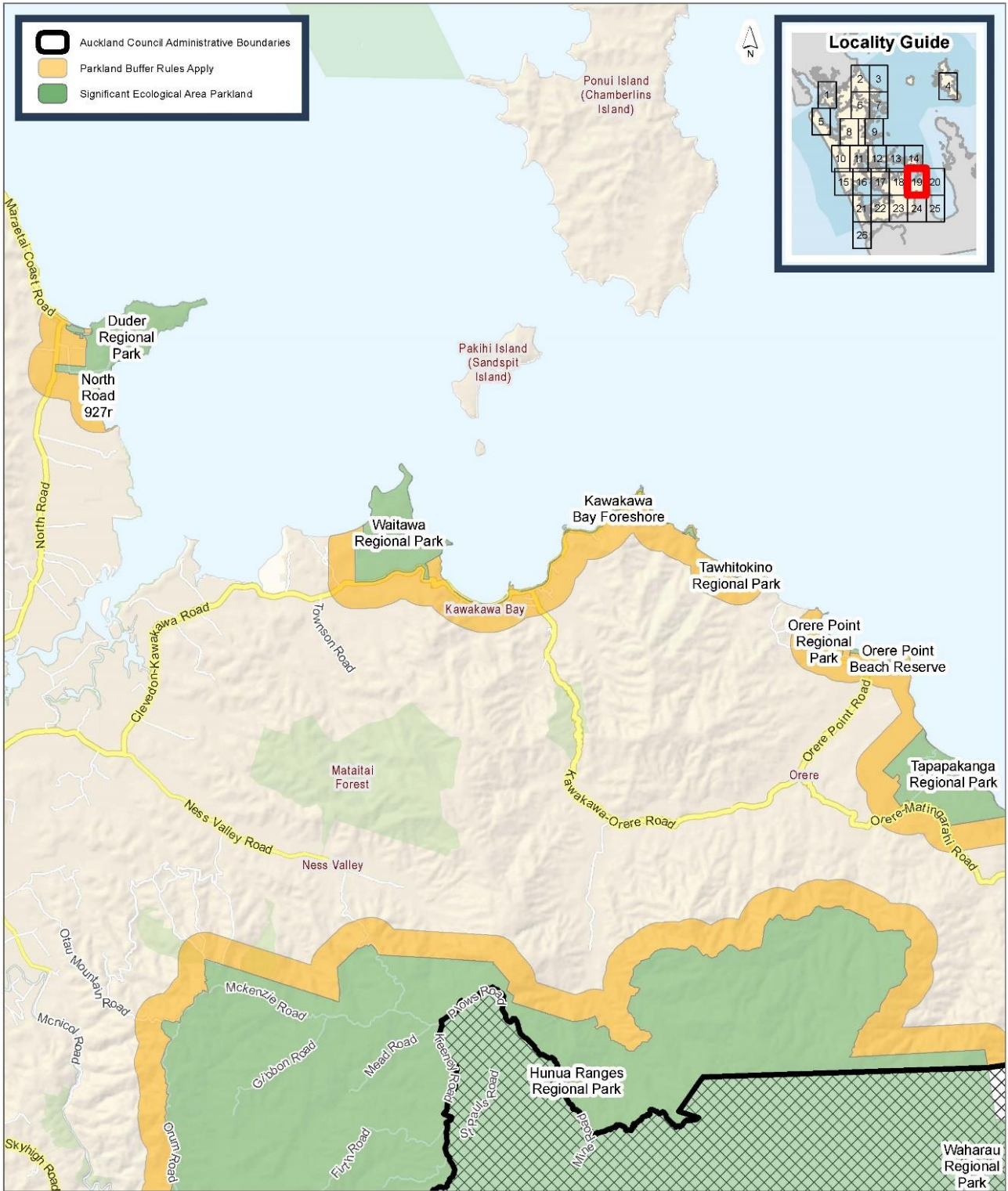
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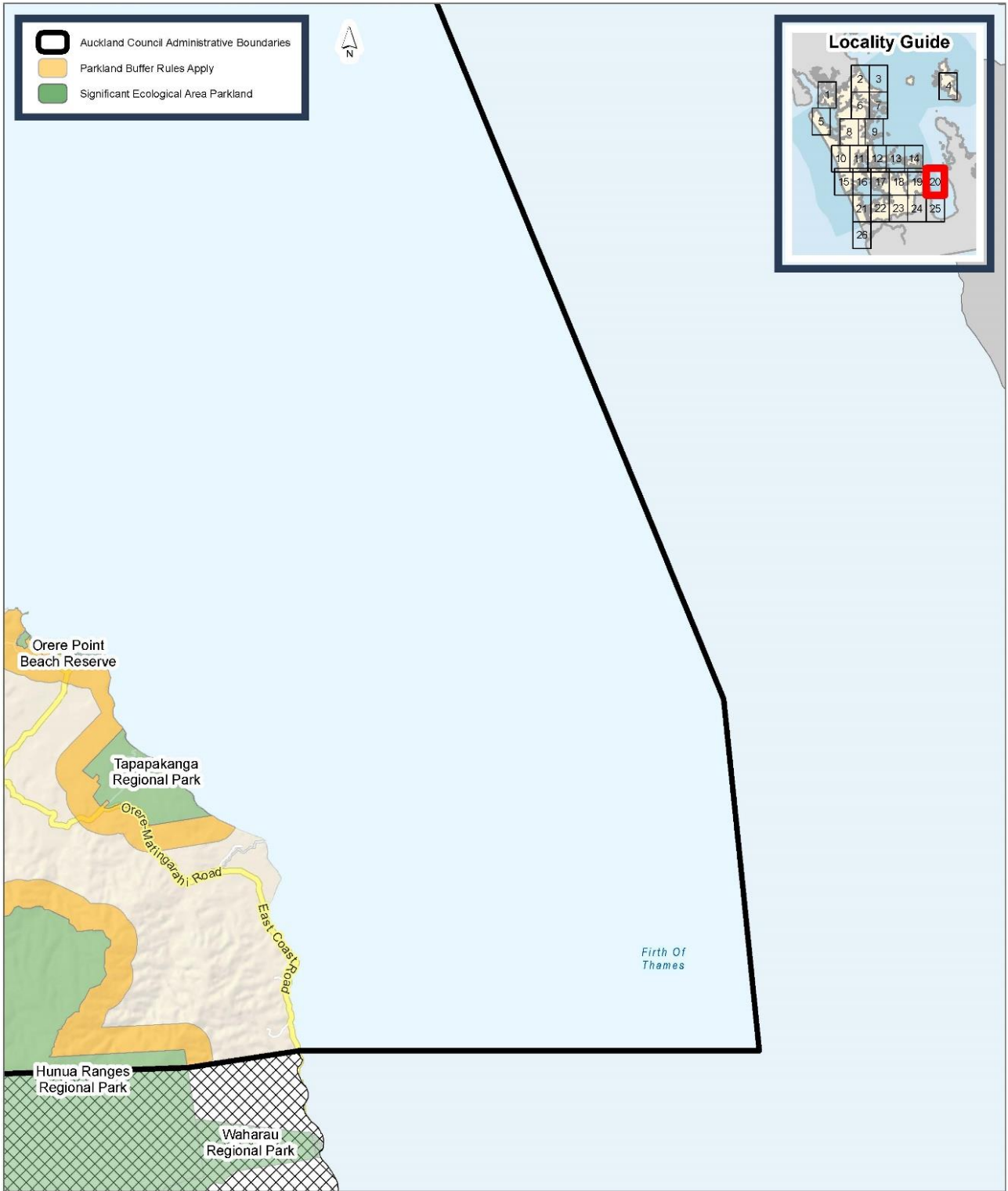


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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 19**

0 0.5 1 1.5
 Kilometers
 Scale @ A4
 = 1:94,275
 Date Printed:
 1/7/2020



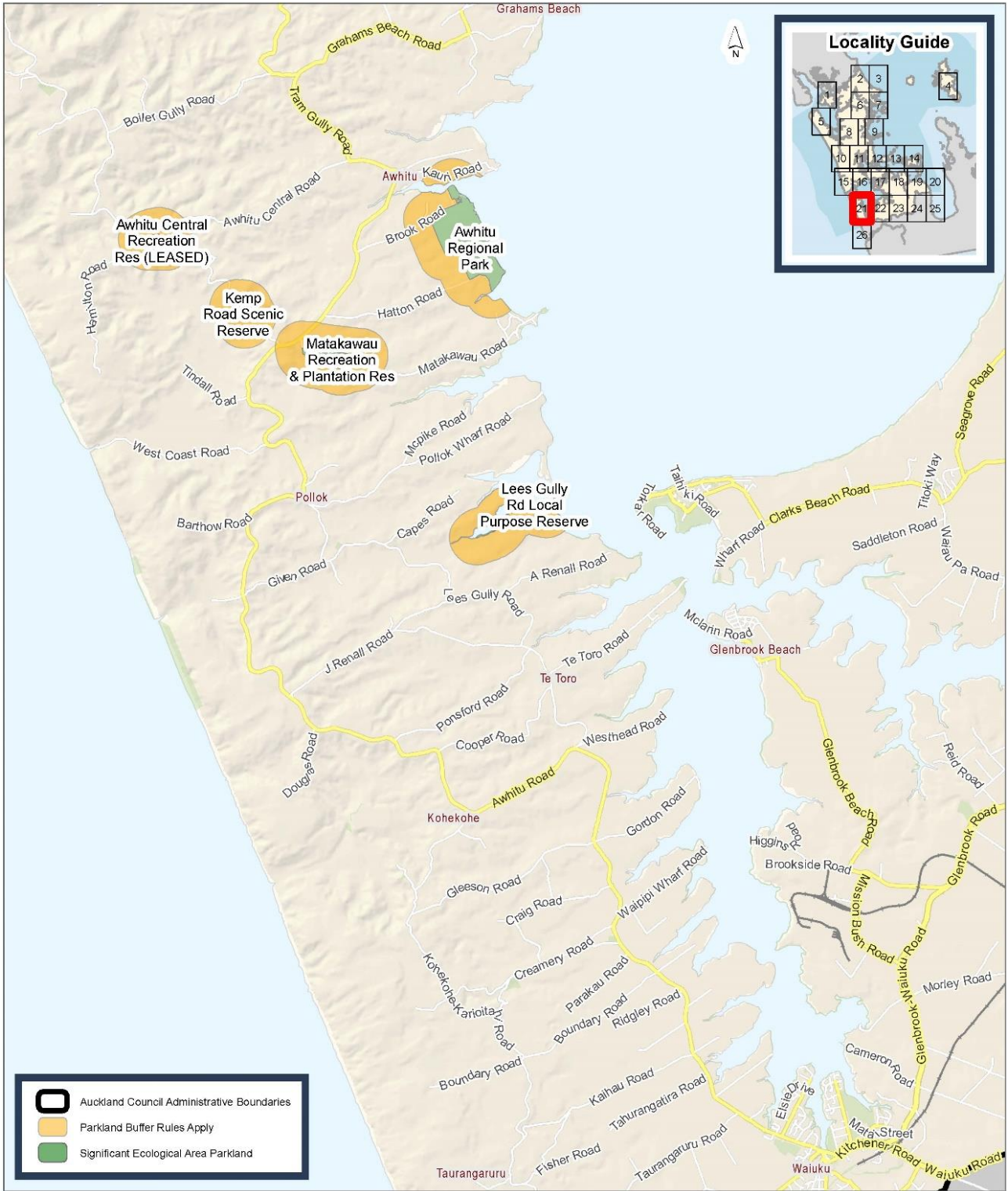


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**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 20**

0 0.5 1 1.5
 Kilometers
Scale @ A4
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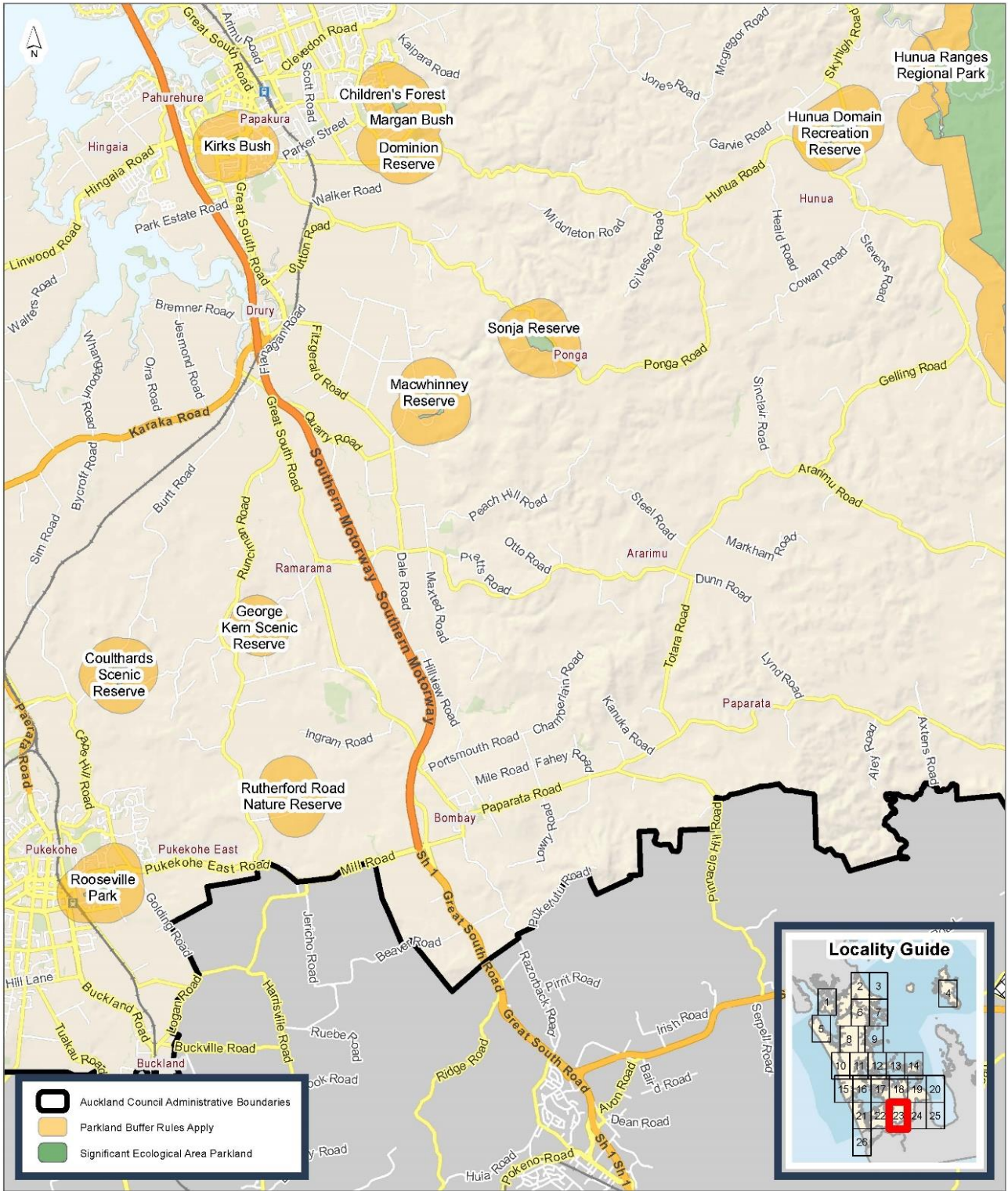
**Regional Pest Management Plan
 Significant Ecological Area Parkland
 Inset 21**



Scale @ A4
 = 1:94,275

Date Printed:
 1/8/2020



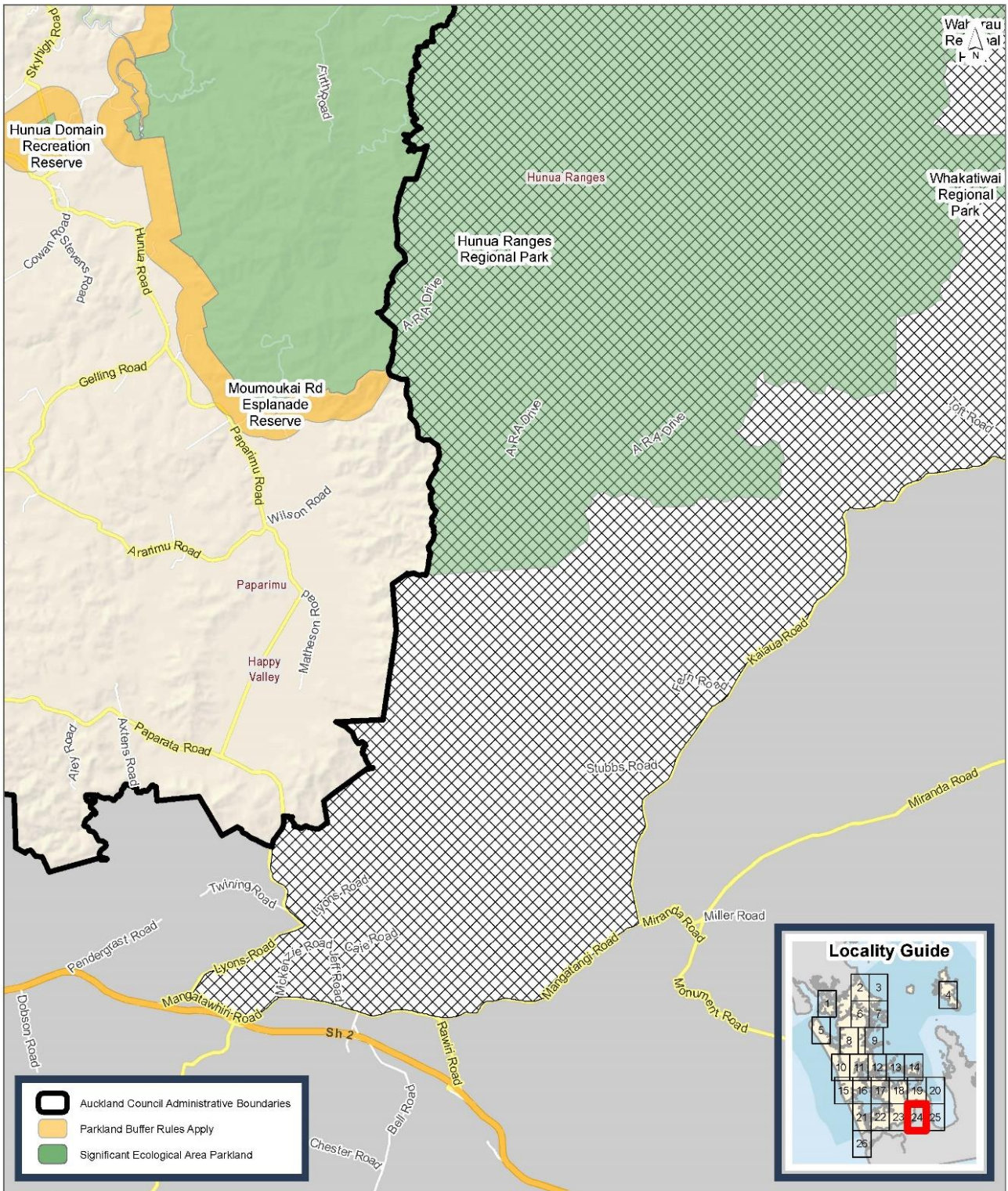


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Regional Pest Management Plan Significant Ecological Area Parkland Inset 23

0 0.5 1 1.5
 Kilometers
Scale @ A4
 = 1:94,275
Date Printed:
 1/16/2020



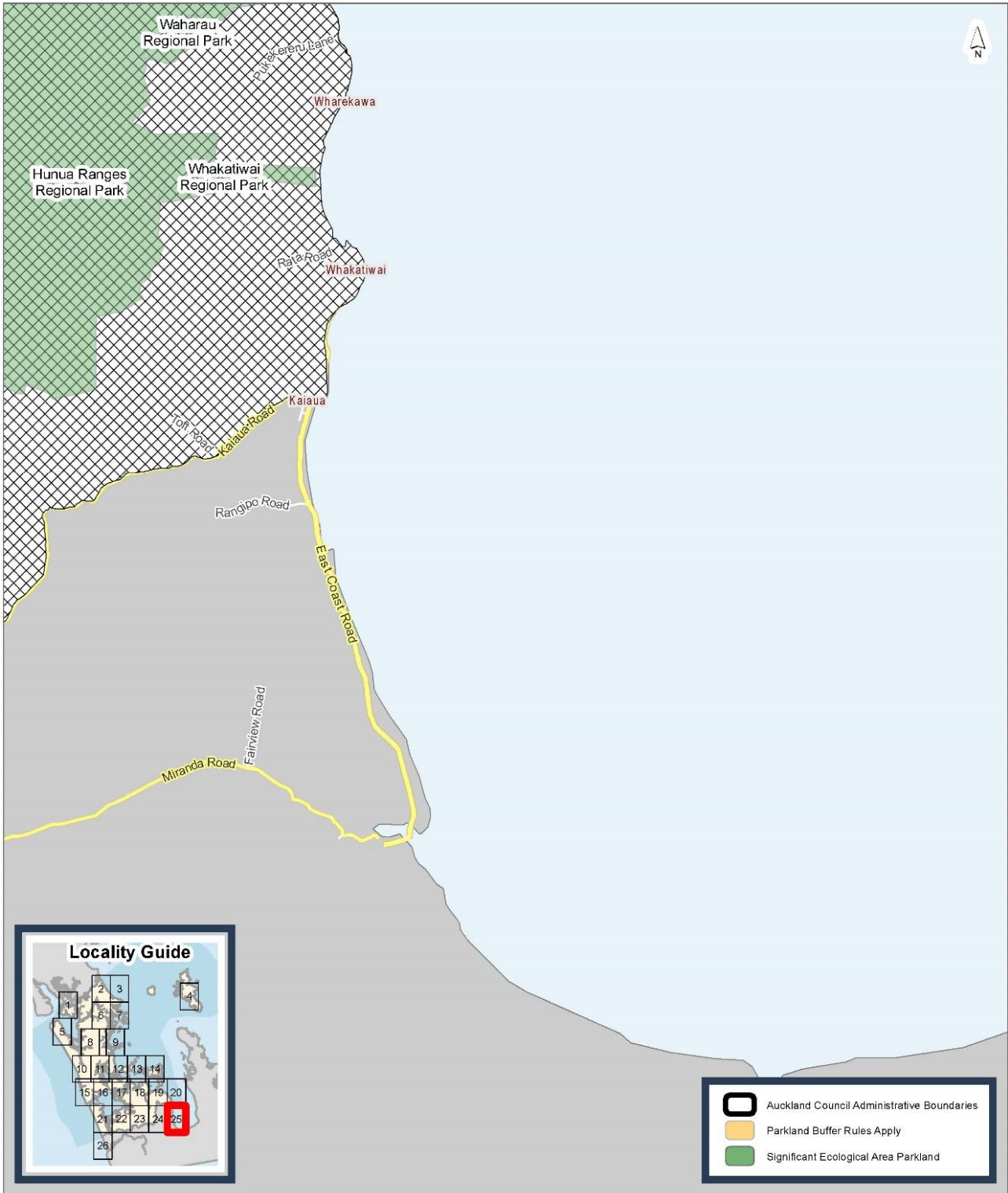


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Regional Pest Management Plan Significant Ecological Area Parkland Inset 24

0 0.5 1 1.5
 Kilometers
Scale @ A4
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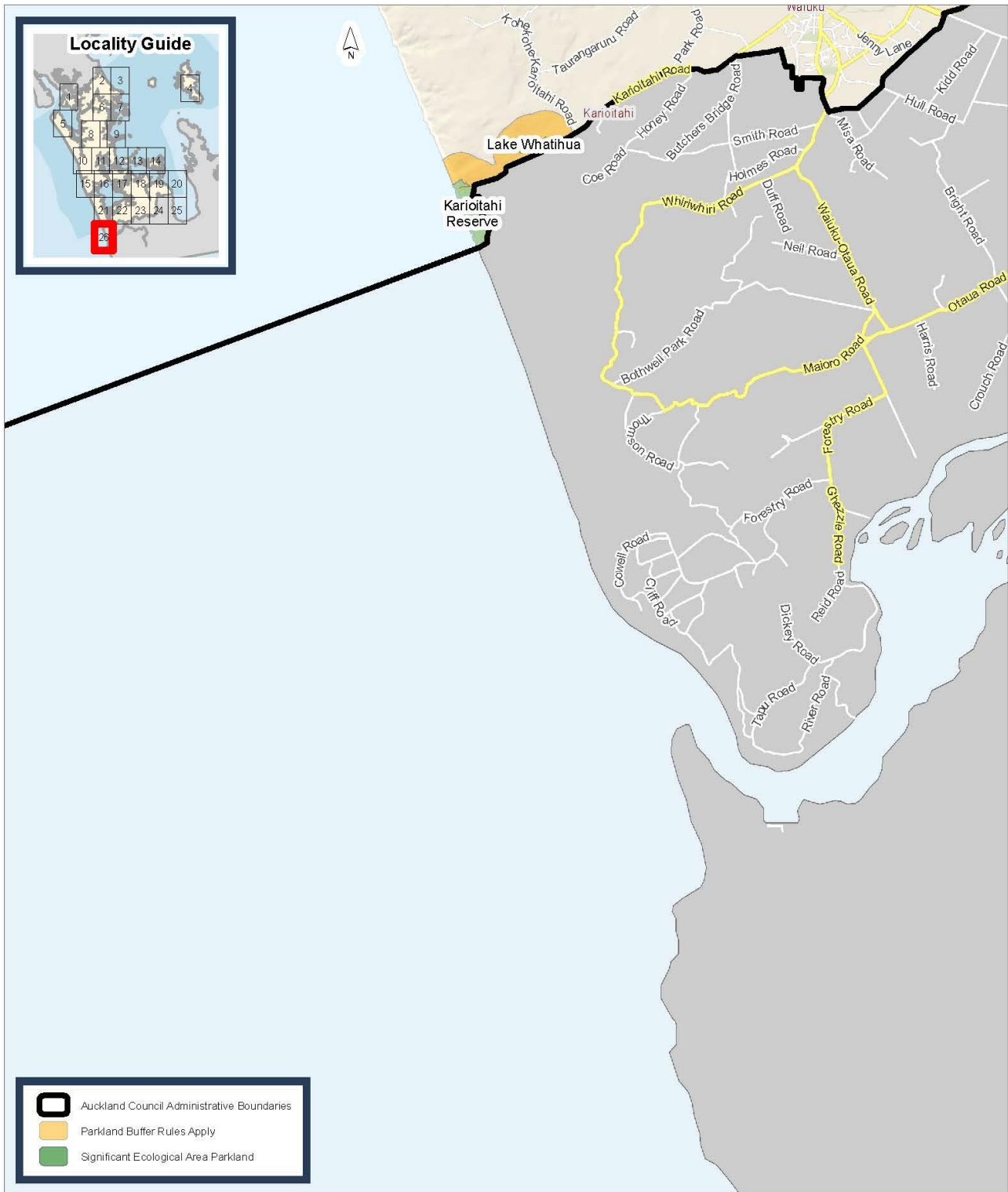
Regional Pest Management Plan Significant Ecological Area Parkland Inset 25



Scale @ A4
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Regional Pest Management Plan Significant Ecological Area Parkland Inset 26

0 0.5 1 1.5
 Kilometers

Scale @ A4
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Date Printed:
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Parks included in Significant Ecological Areas on parkland site-led programme

29 Heretaunga Avenue	Brick Bay Drive - Pūriri Place Reserve
Albacore Reserve	Browns Island (Motukorea)
Albany Heights Reserve	Burnside Escarpment
Albany Heights west Reserve	Burundi Ave Foreshore
Alberon Reserve	Butterworth Block
Albert Crescent Wharf Road Walkway	Bycroft Reserve
Aldersgate Reserve	Captain Springs Reserve
Alice Eaves Scenic Reserve	Captain's Bush
Almorah Road Rock Forest	Cartmel Reserve
Ambury Regional Park	Centennial Park - Campbells Bay
Anderson Road Matakana	Chapman Strand
Anns Creek Reserve	Charles Prevost Drive Reserve
Anzac Bay Reserve	Chatswood Reserve
Aronia Way no. 2 Reserve	Chelsea Estate Heritage Park
Ātiu Regional Park	Children's Forest
Attwood Reserve	Chisbury Terrace Reserve
Auckland Botanic Gardens	Chorley Reserve
Auckland Domain Premier	Church Bay Esplanade Reserve
Awaawaroa Esplanade Reserve	Churchill Park
Awaawaroa Wetland Reserve	City View Reserve
Awaruku Reserve	Clark Road Esplanade Reserve
Awhiorangi Reserve	Clevedon Scenic Reserve
Āwhitu Central Recreation res (leased)	Cliff Road
Āwhitu Regional Park	Clifton Road Esplanade 339r
Ayr Reserve	Coletta Esplanade
Banyan Drive Reserve	Colin Dale Park
Bayfield Park	Colwill Esplanade
Beaufort Reserve	Constable Road Muriwai
Belfast Reserve	Coulthards Scenic Reserve
Belle Terrace Foreshore Reserve	Cox's Bay Reserve
Birds Beach Recreation Reserve	Craigavon Park
Birdwood Park	Cranwell Esplanade
Birkenhead War Memorial Park	Cranwell Park
Bishop Park	Crows Park
Blockhouse Bay Beach Reserve	Crum Park
Border Road Esplanade	Curacao Place Esplanade Reserve
Brick Bay Drive	Dacre Historic & Esplanade Reserve

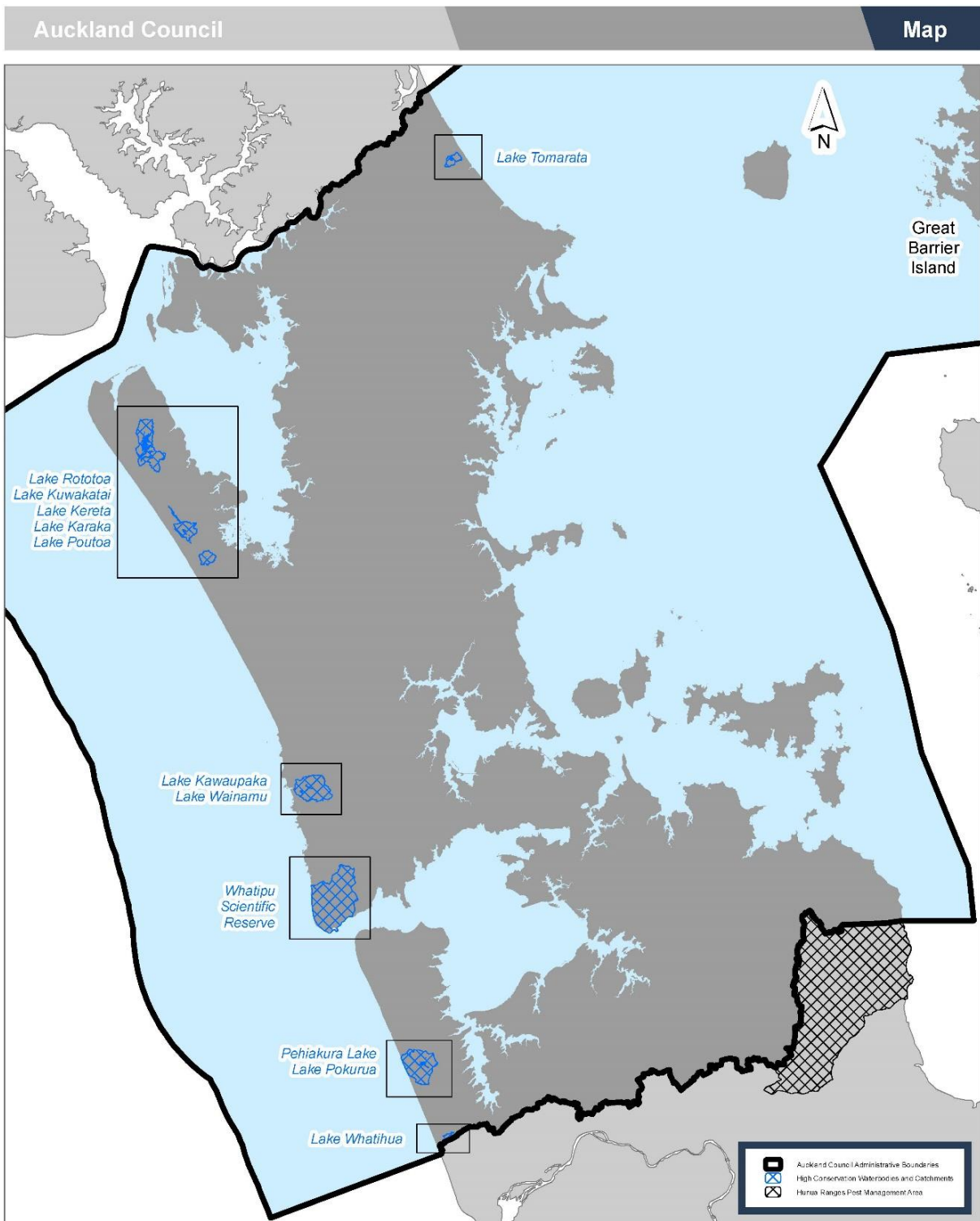
David Nathan Park	Hayley Lane Reserve
Dawnhaven Esplanade	Helena Park
Daytona Strand	Henderson Creek Esplanade
Delamore Walkway	Henderson Park - Henderson
Dingle Dell Reserve	Henderson Valley Green
Dominion Reserve	Hendry Reserve
Don Buck Corner	Henry's Scenic Reserve
Duder Regional Park	Heron Park
Eastern Beach caravan Park	Hibiscus Reserve
Ellet Road Esplanade Reserve	Hillcrest Grove Reserve
Enclosure Bay	Hillsborough Reserve 1
Eric Armishaw Reserve	Hillsdale Reserve
Eskdale Reserve	Himalaya Reserve
Eugenia Rise no 2	Hinemoa Park
Eugenia Rise no 3	Hochstetter Pond (The Grotto Wetland)
Everglade Drive no 3	Homewood Reserve
Everglade Drive no 5	Hukanui Reserve
Fairlands Reserve Esplanade	Hunterville Reserve
Falls Park	Hunua Domain Recreation Reserve
Fernhill Escarpment	Hunua Ranges Regional Park
Flanshaw Esplanade Reserve	Jack Colvin Park
Fred Andersen Reserve	Jack Lachlan Drive Esplanade Reserve
George Kern Scenic Reserve	Jaggers Bush
George Pannill Reserve	Kaipātiki Esplanade Reserve
Gills Reserve	Kānuka Reserve (Albany)
Gittos Domain	Karioitahi Reserve
Glen Atkinson Reserve a	Kaukapakapa Plantation Reserve
Glen Brook Reserve	Kauri Glen Reserve
Glenfern Regional Park	Kauri Park
Glenmary Place Reserve	Kauri Park extn
Gloria Park	Kauri Point Centennial Park
Gordons Road Esplanade Reserve	Kauri Point Domain
Grannys Bay Reserve	Kawakawa Bay Foreshore
Gulf Harbour to Matakatia Esplanade	Kawakawa Coast Road Esplanade 193r
Halsey Esplanade Reserve	Kay Road Bale Fill
Hamlins Hill Regional Park	Kellys Road Island 81r
Harbourview - Orangihina	Kemp Road Scenic Reserve
Harbutt Reserve	Kepa Bush Reserve
Hart Domain	Kererū Reserve

Kingswood Reserve	Matakatia Scenic reserve
Kirks Bush	Matakawau Recreation & Plantation Reserve
Kirks Bush - Butterworth House	McElroy Reserve
Kitewao Street Esplanade Reserve	McLeods Farm
Kohuora Park	Millbrook Road Reserve
Kowhai Park	Moire Park
Kowhai Reserve	Moumoukai Road Esplanade Reserve
Kuakarau Bay Forest	Muriel Fisher Reserve
Laingholm Drive Esplanade	Muriwai Regional Park
Laingholm Scenic Reserve	Murphy's Bush Reserve
Lake Tomarata Reserve	Musick Point Esplanade Reserve
Lake Whatihua	Newey's Corner
Laurie Gibbons Memorial Park	Newmarket Park
Le Roy's Bush Reserve	Newton Reserve
Leigh Scenic Reserve	Ngapipi Cliff Reserve
Lees Gully Road Local Purpose Reserve	North Road 927r
Lemington Reserve	Norwood Estate Park
Little Muddy Creek	Oakley Creek Walkway
Little Shoal Bay Reserve - Northcote Point	Odin Place Reserve
Long Bay Regional Park	Okiwi Park
Lowtherhurst Reserve	Omaha Beach Reserve
Lucas Creek Scenic Reserve	Omaha South Quarry Reserve
Lucas Esplanade Reserve	Ōmana Regional Park
Lynfield Cove Reserve	Omiha Beach Reserve
Macleans Park	Onepoto Domain
MacPherson Reserve	Onetangi Cemetery
MacWhinney Reserve	Onetangi Sports Park (Rangihoua)
Mahurangi Regional Park	Onewa Domain
Mahurangi River Sandspit Road	Opanuku Marginal Strip Reserve
Mangemangeroa Reserve	Opanuku Reserve
Manuka Reserve	Opanuku Stream Reserve
Manukau Domain	Ōrakei Basin
Maraetai Library Reserve	Orere Point Beach Reserve
Margan Bush	Orere Point Regional Park
Martins Bay Holiday Park	Orford Park
Martins Bay Recreation Reserve	Ōtuataua Stonefields Reserve
Martyn Wilson Fields & Sonia Reserve	Owhanake Matiatia Walkway
	Owhanake Reserve

Pakiri Regional Park land	Sherrybrooke Esplanade
Palomino Esplanade	Sherwood Park
Paremoremo Scenic Reserve	Shoal Bay Reserve
Paremuka Esplanade	Shona Esplanade Reserve
Paritai Reserve	Silvana Park
Park Point Walkway	Singer Park
Parrs Park	Slipper Lake Reserve
Parry Kauri Park	Smith's Bush Scenic Reserve
Pascoe Quarry Reserve	Sonja Reserve
Penfold Park	Soldiers Bay Reserve
Phyllis Reserve	Southern Park
Pigeonwood Reserve	Spinnaker Strand
Piha Domain	Springbank Esplanade
Platts Mills Reserve	Squirells Reserve
Plumer Domain	St Johns Bush
Pōhutukawa Avenue Esplanade Reserve	Standish Reserve
Point England Reserve	Sunhill Scenic Reserve
Point View Reserve	Sunline Esplanade
Porterfield Road Esplanade Reserve	Sunline Park
Pourewa Creek	Swanson Scenic Reserve
Puhinui Reserve	Sylvan Park
Pūkaki Crater Reserve (leased)	Sylvania Crescent Esplanade Reserve
Puketutu Island, Mangere Bridge	Tahuna Torea Nature Reserve
Railside Esplanade Reserve	Taitapu Park
Rayner Road / Sylvan Glade Reserve	Tāpapakanga Regional Park
Realm Esplanade	Taumatatea Esplanade
Redfern Nature Reserve	Taunton Terrace
Ridgewood Reserve	Tawa Esplanade
River Park Reserve	Tawaipareira Reserve
Roberta Reserve	Tāwharanui Regional Park
Rooseville Park	Tawhitokino Regional Park
Rutherford Road Nature Reserve	Te Ārai Point Regional Park
Sandspit Road - Brick Bay Drive	Te Henga Park
Sandys Parade	Te Matuku Bay Esplanade res 1
Scandrett Regional Park	Te Matuku Stockyard Reserve
Serenity Reserve	Te Muri Regional Park
Shakespear Regional Park	Te Rangi Hiroa/Birdwood Winery
Shays Reserve	Te Rau Pūriri Regional Park
	Te Toki Reserve

Te Uri Karaka te Waera Reserve
 Te Wharau Reserve
 Te Whau Esplanade Reserve 1
 Thatcher Street Reserve
 The Avenue Esplanade Reserve
 The sandspit
 Third Reserve
 Thomas Grace Scenic Reserve
 Three Streams Reserve
 Torbay Heights
 Tōtara Park
 Trading Esplanade
 Trusts Esplanade Reserve
 Tuff Crater
 Tui Glen Esplanade
 Tui Glen Reserve
 Urlich Esplanade Reserve
 Verran Gully Reserve
 Victoria Reserve
 Vintage Reserve
 Vitasovich Esplanade
 Waharau Regional Park
 Waiatarua Reserve
 Waiheke Cemetery Reserve
 Waiheke Island Reserve
 Waikōwhai Park
 Waikumete Cemetery
 Waimanu Bay Reserve
 Wai-o-taiki Nature Reserve
 Wairaki Stream Reserve
 Waitākere Central Regional Park
 Waitākere North Regional Park
 Waitākere Quarry Scenic Reserve
 (prov)
 Waitākere South Regional Park
 Waitākere West Regional Park
 Waitaramoa Reserve
 Waitawa Regional Park
 Waiti Bay Reserve
 Walpole Avenue Reserve
 Warkworth Showgrounds
 Wattle Bay
 Wenderholm Regional Park
 Wesley Bay Glade
 Western Springs lakeside
 Westmere Lemington Esplanade
 Whakanewha Regional Park
 Whakatīwai Regional Park
 Whangapoua Stream Reserve
 Whangateau Harbour Esplanade
 Reserve
 Whangateau Recreation Reserve
 Islands
 Wharua Reserve
 White Bluff Reserve
 Whitford Road Esplanade 284r
 Wickstead Strand
 Wirihana Park
 Witheford Scenic Reserve
 Withiel Thomas
 Woodside Reserve
 Wright Road Esplanade Reserve

Āpitianga 3 Ngā tino roto / Appendix 3 High Conservation Value Waterbodies



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Regional Pest Management Plan High Conservation Value Waterbodies and Catchments

0 2.5 5 7.5
Kilometers
Scale @ A4 = 1:600,000
Date Printed: 1/16/2020



bangalow palm - <i>Archontophoenix cunninghamiana</i>	215, 327	<i>Cacatua roseicapilla</i> - galah	140, 265
<i>Banksia integrifolia</i> - coast banksia	193, 327	<i>Calicotome spinosa</i> - spiny broom	327
barberry - <i>Berberis glaucocarpa</i>	327	Californian bulrush - <i>Schoenoplectus californicus</i>	327
bartlettina - <i>Bartlettina sordida</i>	327	Californian thistle - <i>Cirsium arvense</i>	327
<i>Bartlettina sordida</i> - bartlettina	327	<i>Callistachys lanceolata</i> - oxylobium	327
Bathurst bur - <i>Xanthium spinosum</i>	327	<i>Calluna vulgaris</i> (excl. double flowered cultivars) - heather	327
bearded dragon - <i>Amphibolurus barbatus</i> syn. <i>Pogona barbata</i>	131, 250	<i>Calotis lappulacea</i> - bur daisy	327
<i>Berberis darwinii</i> - Darwin's barberry	327	Canadian geese - <i>Branta canadensis</i>	136, 256
<i>Berberis glaucocarpa</i> - barberry	327	Canary Island ivy - <i>Hedera helix</i> subsp. <i>canariensis</i>	327
berry heath - <i>Erica baccans</i>	327	Cape honey flower - <i>Melianthus major</i>	327
black wattle - <i>Acacia mearnsii</i>	327	Cape ivy - <i>Senecio angulatus</i>	327
blackberry (wild aggregates) - <i>Rubus fruticosus</i> agg.	327	Cape pond weed - <i>Aponogeton distachyos</i>	160
bladderwort species - <i>Utricularia arenaria</i> , <i>U. gibba</i> , <i>U. livida</i> and <i>U. sandersonii</i>	327	Cape sundew - <i>Drosera capensis</i>	327
blue morning glory - <i>Ipomoea indica</i>	215, 327	<i>Capra hircus</i> - feral goat	238
blue passion flower - <i>Passiflora caerulea</i>	327	<i>Carassius auratus</i> – goldfish	142, 269
blue spur flower - <i>Plectranthus ecklonii</i> and <i>P. grandis</i>	327	<i>Cardiospermum grandiflorum</i> - balloon vine	313
blue-tongued skink - <i>Tiliqua scincoides</i> and <i>T. nigrolutea</i>	133, 252	<i>Cardiospermum halicacabum</i> - small balloon vine	313
Bolivian fuchsia - <i>Fuchsia boliviana</i>	327	<i>Carduus acanthoides</i> - plumeless thistle	327
bomarea - <i>Bomarea caldasii</i> and <i>B. multiflora</i>	327	<i>Carduus nutans</i> - nodding thistle	327
<i>Bomarea caldasii</i> and <i>B. multiflora</i> - bomarea	327	carex - <i>Carex divulsa</i>	327
boneseed - <i>Chrysanthemoides monilifera</i>	160, 215, 327	<i>Carex divisa</i> - divided sedge	327
	127, 160,	<i>Carex divulsa</i> - carex	327
	215, 327	<i>Carex longebrachiata</i> - Australian sedge	327
boxthorn - <i>Lycium ferocissimum</i>	215, 327	<i>Carex scoparia</i> - <i>Carex scoparia</i>	160, 327
<i>Branta canadensis</i> - Canadian geese	136, 256	<i>Carpobrotus edulis</i> and hybrids - iceplant	327
Brazilian pepper tree - <i>Schinus terebinthifolius</i>	327	<i>Carthamus lanatus</i> - saffron thistle	327
Brazilian rattlebox - <i>Sesbania punicea</i>	155, 327	castor oil plant - <i>Ricinus communis</i>	327
broomsedge - <i>Andropogon virginicus</i>	313	cat (unowned) - <i>Felis catus</i>	98, 303
brown bullhead catfish - <i>Ameiurus nebulosus</i> syn. <i>Ictalurus nebulosus</i>	135, 228, 254	cat's claw creeper - <i>Macfadyena unguis-cati</i>	327
brush wattle - <i>Paraserianthes lophantha</i>	327	cathedral bells - <i>Cobaea scandens</i>	322
buddleia - <i>Buddleja davidii</i>	327	<i>Celastrus orbiculatus</i> - climbing spindle berry	322
<i>Buddleja davidii</i> - buddleia	327	<i>Cenchrus macrourus</i> syn. <i>Pennisetum macrourum</i> - African feather grass	313
bur daisy - <i>Calotis lappulacea</i>	327	<i>Cenchrus</i> spp. (except kikuyu grass and pearl barley) - <i>Cenchrus</i> spp. syn. <i>Pennisetum</i> spp. (excl. <i>C. clandestinus</i> and <i>C. americanus</i>)	327
burdock - <i>Arctium minus</i>	327	<i>Cenchrus</i> spp. syn. <i>Pennisetum</i> spp. (excl. <i>C. clandestinus</i> and <i>C. americanus</i>) - <i>Cenchrus</i> spp. (except kikuyu grass and pearl barley)	327
bushy asparagus - <i>Asparagus aethiopicus</i> syn. <i>A. sparagus densiflorus</i>	160, 189, 327	<i>Centranthus ruber</i> - red valerian	327
buttercup bush - <i>Senna septemtrionalis</i>	327	century plant - <i>Agave americana</i>	327

C

Cacatua galerita - sulphur-crested cockatoo 153, 246

<i>Ceratophyllum demersum</i> - hornwort	155, 226, 327	creeping fig - <i>Ficus pumila</i>	327
<i>Cervus</i> spp. including any hybrid - feral deer	94, 236	<i>Crocasmia x crocosmiiflora</i> - montbretia	327
<i>Cestrum nocturnum</i> - queen of the night	327	<i>Cyathea cooperi</i> - rough tree fern	327
<i>Cestrum parqui</i> - green cestrum	313	<i>Cyperus rotundus</i> - nutgrass	327
<i>Charybdis japonica</i> – Asian paddle crab	393	<i>Cyprinus carpio</i> - koi carp	144, 273
<i>Chelodina longicollis</i> - snake-neck turtle	151, 297	<i>Cytisus scoparius</i> (excl. cultivated varieties) - wild broom	322
Chilean flame creeper - <i>Tropaeolum speciosum</i>	327	D	
Chilean glory creeper - <i>Eccremocarpus scaber</i>	327	dally pine - <i>Psoralea pinnata</i>	327
Chilean needle grass - <i>Nassella neesiana</i>	313	<i>Dama</i> spp. including any hybrid - feral deer	94, 236
Chilean rhubarb - <i>Gunnera tinctoria</i>	327	Darwin's barberry - <i>Berberis darwinii</i>	327
<i>Chimonobambusa quadrangularis</i> - bamboo species	327	Darwin's ant - <i>Doleromyrma darwiniana</i>	103, 257
Chinese fan palm - <i>Trachycarpus fortunei</i>	215, 327	devil's fig - <i>Solanum torvum</i>	313
Chinese holly grape - <i>Mahonia lomariifolia</i>	327	devil's tail - <i>Persicaria perfoliata</i> syn. <i>Polygonum perfoliatum</i>	327
chocolate vine - <i>Akebia quinata</i>	327	<i>Dipogon lignosus</i> - mile-a-minute	168, 327
<i>Chondrilla juncea</i> - skeleton weed	327	divided sedge - <i>Carex divisa</i>	327
<i>Chrysanthemoides monilifera</i> - boneseed	160, 215, 327	<i>Doleromyrma darwiniana</i> - Darwin's ant	103, 257
<i>Cirsium arvense</i> - Californian thistle	327	drooping prickly pear - <i>Opuntia monacantha</i> and other spp.	327
<i>Clavelina lepadiformis</i> - Lightbulb ascidian	401	<i>Drosera capensis</i> - Cape sundew	327
<i>Clavelina oblonga</i> – <i>Clavelina oblonga</i>	397	<i>Dryopteris filix-mas</i> - male fern	327
<i>Clematis flammula</i> - <i>Clematis flammula</i>	155, 327	dusky coral pea - <i>Kennedia rubicunda</i>	327
<i>Clematis vitalba</i> - old man's beard	322	Dutch elm disease - <i>Ophiostoma novo-ulmi</i>	308
climbing asparagus - <i>Asparagus scandens</i>	160, 191, 327	E	
climbing dock - <i>Rumex sagittatus</i>	327	eastern rosella - <i>Platycercus eximius</i>	137, 259
climbing gloxinia - <i>Lophospermum erubescens</i>	160, 327	eastern water dragon - <i>Physignathus lesueurii lesueurii</i>	138, 261
climbing spindle berry - <i>Celastrus orbiculatus</i>	322	<i>Eccremocarpus scaber</i> - Chilean glory creeper	327
coast banksia - <i>Banksia integrifolia</i>	193, 327	eel grass - <i>Vallisneria australis</i>	155, 327, 160, 226,
<i>Cobaea scandens</i> - cathedral bells	322	egeria - <i>Egeria densa</i>	327
coltsfoot - <i>Tussilago farfara</i>	327	<i>Egeria densa</i> - egeria	160, 226, 327
<i>Conium maculatum</i> - hemlock	327	elaeagnus - <i>Elaeagnus x reflexa</i>	327
<i>Cortaderia jubata</i> and <i>C. selloana</i> - pampas grass	215, 327	<i>Elaeagnus x reflexa</i> - elaeagnus	327
<i>Corvus frugilegus</i> - rook	232	<i>Elaphurus</i> spp. including any hybrid - feral deer	94, 236
cotoneaster - <i>Cotoneaster glaucophyllus</i> and <i>C. franchetii</i>	327	elephant's ear - <i>Alocasia macrorrhiza</i> syn. <i>A. brisbanensis</i>	327
<i>Cotoneaster glaucophyllus</i> and <i>C. franchetii</i> - cotoneaster	327	elodea - <i>Elodea canadensis</i>	155, 327
<i>Cotoneaster simonsii</i> - khasia berry	327	<i>Elodea canadensis</i> - elodea	155, 327
<i>Cotyledon orbiculata</i> - African pig's ear	327	English ivy - <i>Hedera helix</i> subsp. <i>helix</i>	327
crack willow - <i>Salix fragilis</i>	327	<i>Eomecon chionantha</i> - snow poppy	327
<i>Crassula multicava</i> - pitted crassula	327	<i>Equisetum</i> spp. - horsetail	327
<i>Crataegus monogyna</i> - hawthorn	327		

- Erica baccans* - berry heath 327
Erica lusitanica - Spanish heath 327
Erigeron karvinskianus - Mexican daisy 327
Erinaceus europaeus - hedgehog 107, 270
Eriobotrya japonica - loquat 327
Eudistoma elongatum - Australian droplet tunicate 395
Euonymus japonicus - Japanese spindle tree 327
- ## F
- false tamarisk - *Myricaria germanica* 327
fatsia - *Fatsia japonica* 327
Fatsia japonica - fatsia 327
Felis catus - cat (owned) 98, 303
feral deer - *Cervus*, *Axis*, *Dama*, *Odocoileus*, *Elaphurus* spp. including any hybrid 94, 236
feral goat - *Capra hircus* 238
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