

# Assessment components

- Avifauna
- Bats
- Herpetofauna
- Freshwater habitat
- Vegetation
- External peer review
- \*Entomology









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Data Sources: LINZ Data Service (Aerials, Cadastre), Auckland Council, DOC, Boffa Miskell Projection: NZGD 2000 New Zealand Transverse Mercator

CopperSkink

Herpetofauna Records 5 km 🔵 Ornate Skink

Elegant Gecko Forest Gecka Hochstetter's Frog

Pacific Gecko Striped Skink Unidentifed Skink

Long-tailed bat roosting area

A16055 HUIA WTP UPGRADE

## Fauna Records in Vicinity to Site

Date: 26 February/2018 | Revision: 0 Plan prepared by Boffa Miskell Limited Project Managen: Rachel.deLambert@boffamiskell.co.nz | Drawn: GCu | Checiled: SRI





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Data Sources: LINZ Data Service (Aerials, Cadastre), Auckland Council, GHD, Boffa Miskell

Projection: NZGD 2000 New Zealand Transverse Mercator



#### Fresh Water Habitat

Date: 31 January 2018 | Revision: 0 Plan prepared by Boffa Miskell Limited Project Manager: Rachel.delambert@boffamiskell.co.nz | Drawn: SGa | Checked: KMc



Site			Plot:			Date:		
Recorder:				Measurer:				
Cover classes: 1=<1%; 2=1-5%; 3=6-25%; 4=26-50%; 5=51-75%; 6=76-100%								
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6	Tier 7	
	>25 m	12-25 m	5-12	2-5 m	.3-2 m	0.3 m	Epiphytes	
			m					
Overall cover								



Boffa Miskell

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Pajectrion: NOJO 2000 New Zoaland Transverse Mercator

Vegetation Plots Vegetation Stream
Vegetation Transects Kanuka Forest
Kauri - Podocarp Forest
Kanuka Broadle af Scrub Mosaic
Modified Scrub

Vegetation Sampling Loc

Date: 26 February/2018 |
Plan prepared by Boffa Misi
Project Manager: RacheldeLambert@boffamiskoll.co.rz | Drower-GCu | C





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Data Source: LINZ Data Service (Aerials, Cadastre), Auckland Council, CHD, Boffa Miskell Projection: NZCD 2000 New Zealand Transverse Mercator Vegetation
Kanuka Forest
Kauri - Podocarp Forest
Kanuka Broadleaf Scrub Mosaic
Modified Scrub

### Vegetation Plot Ordination Clusters

Date: 26 February/2018 | Revision: 1
Plan prepared by Boffa Miskell Limited
Project Manager: RacheLdeLambert@boffamiskell.co.ru | Crower- GCu | Checked: SR



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Data Sources: UNZ, BML

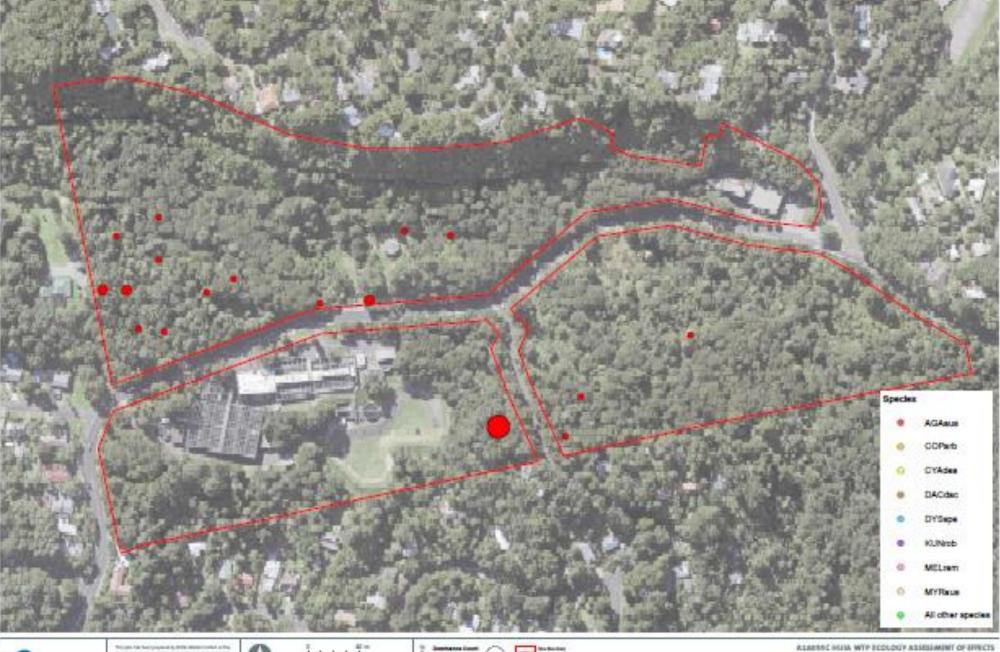
Projection: NZGD 2000 New Zealand Transverse Mercator

A16055C HUIA WTP ECOLOGY ASSESSMENT OF EFFECTS

Project Manager: lan.boothroyd@boffamiskell.co.mz | Drawn: MDu | Checked: SFI

Vegetation Dominance Count

Date: 24 January 2018 | Revision: 0 Plan prepared by Boffa Miskell Limited







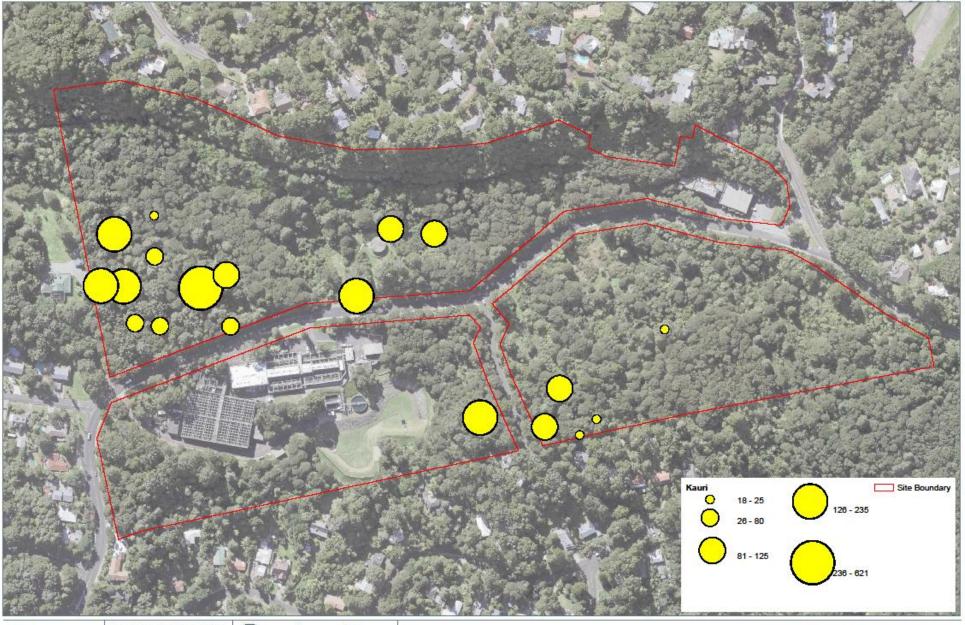
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Vegetation Dominance Count.

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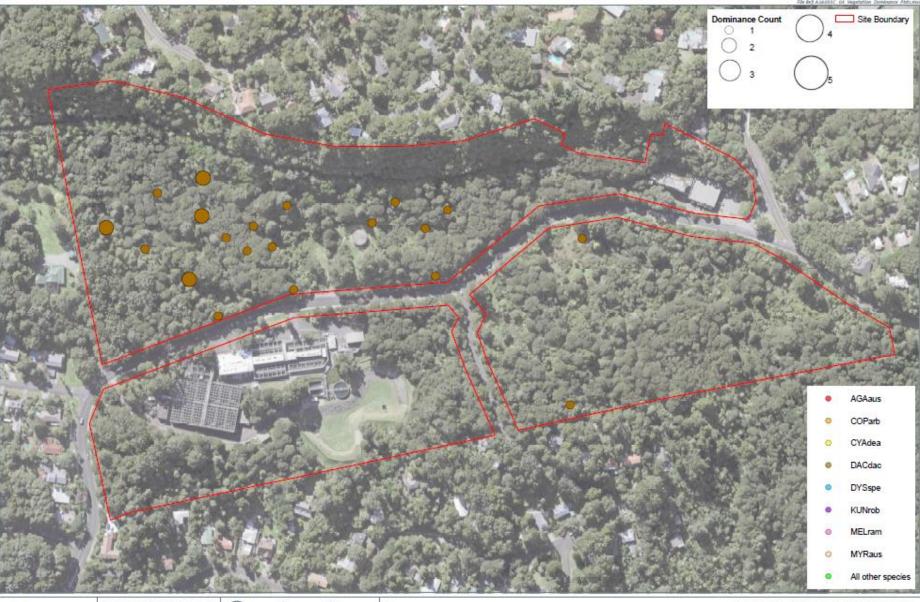
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Vegetation Dominance Count





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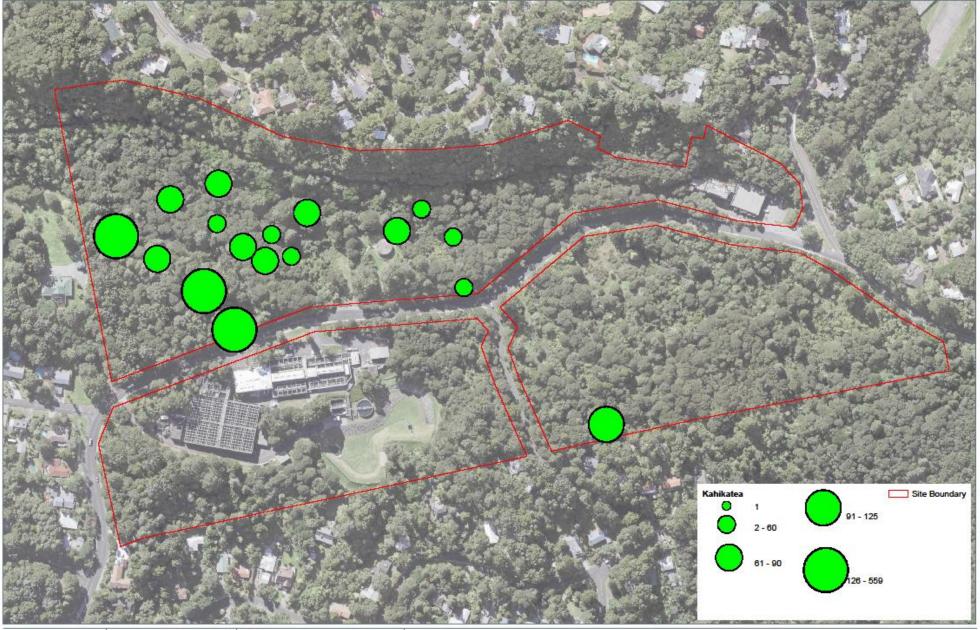
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Projection: NZCD 2000 New Zealand Transverse Mercafor

A16055C HUIA WTP ECOLOGY ASSESSMENT OF EFFECTS Vegetation Dominance Count

Project Manager: lan.boothroyd@boffamishell.co.ns | Drawn: MDu | Checked: 511

Date: 24 January 2018 | Revision: 0





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Data Sources: UNZ, BML

Projection: NZGD 2000 New Zealand Transverse Mercator

A16055C HUIA WTP ECOLOGY ASSESSMENT OF EFFECTS

#### Vegetation Dominance Count

Date: 24 January 2018 | Revision: 0
Plan prepared by Boffa Miskell Limited
Project Manager: lan.boothroyd@boffamiskell.co.nz | Drawn: MDu | Checkied: SFI



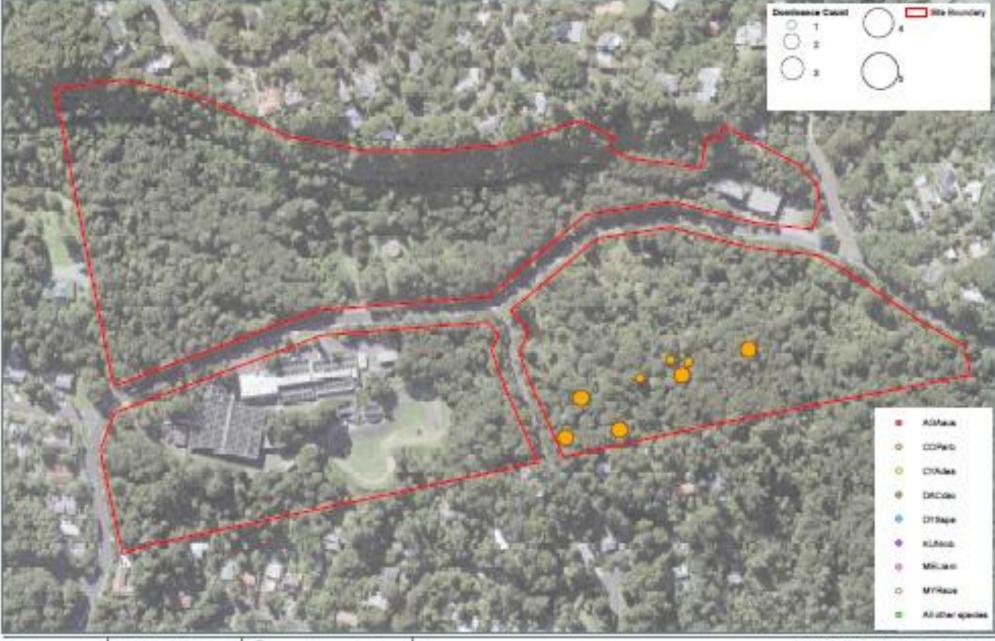
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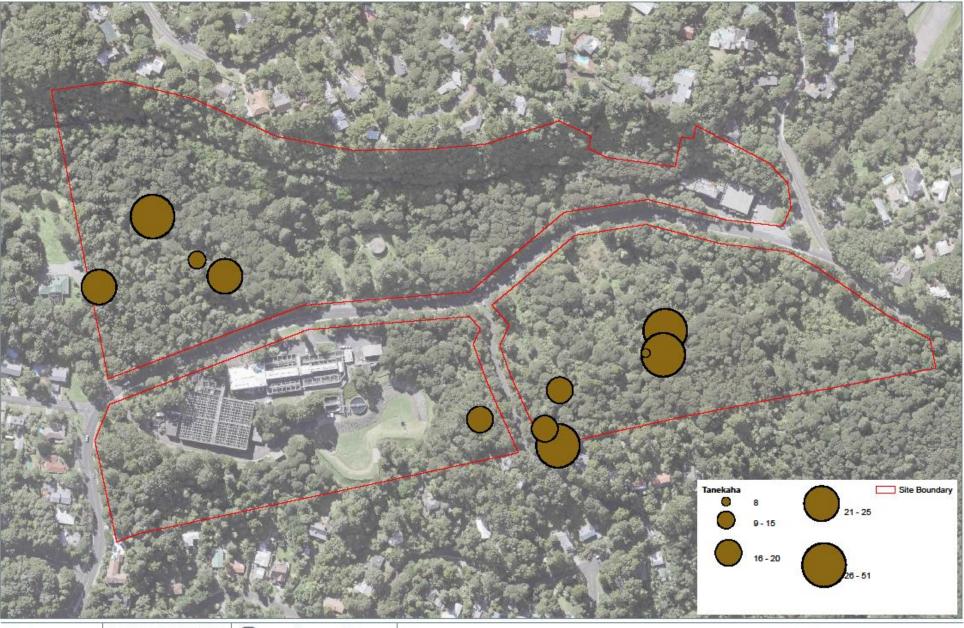




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This plan has been prepared by forth-Missell binded on the specific instructions of our Clerk. It is aboly from concloring to an opposite in the agend of the planed wint Aug states or relation by a third party as at that party even risk. Where information has been supplied by the Clerk or attributed from other watered sources, this have as somethable that accounts, the has been as somethable that accounts of the planed for any event or armitistical or the eacher than they are too inaccounts information provided by the Clerk or any extension accounts.

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Legend

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Vegetation Dominance Count

Date: 24 January 2018 | Revision: 0
Plan prepared by Boffa Miskell Limited
Project Manage: lan.boothroyd@boffamiskell.co.mz | Drawn: MDu | Chaclad: SFI



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Vegetation Dominance Count

Date: 24 January 2018 | Revision: 0 Plan prepared by Boffa Miskell Limited





It has been perpand by NoTa Makel United continbilitation of our Client. It is saidly for our Clienth as the Internation of our Client, and the Internation of the United States of the Internation of the Mobile tion has been supplied by the Client or distinct from themal accords. It has been assumed the International Client Illy or responsibility is supportely into Address in successful to the Internation of the Client or result sources in Internation to the Client or result sources. In consistency of the Client or result sources.



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Projection: NZGD 2000 New Zealand Transverse Mercator

A16055C HUIA WTP ECOLOGY ASSESSMENT OF EFFECTS

Vegetation Dominance Count

Date: 24 January 2018 | Revision: 0

Plan prepared by Boffd Miskell Limited Project Manager: lam.boothroyd@boffamiskall.co.nz | Drawn: MDu | Checked: SFI





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Lower (less sensitive) -- Permanent Piped Medium - Intermittent High -- Ephemeral Stream Buffer (10m) Projection: NZGD 2000 New Zealand Transverse Mercator Land Parcels Buffer from Boundary (10m)

# **Ecological Integrity**

Date: 26 February/2018 | Revision: C Plan prepared by Boffa Miskell Limited Project Manager: Rachel.deLambert@boffamiskell.co.nz | Drawn: SGa | Checked: SFI

Component 1