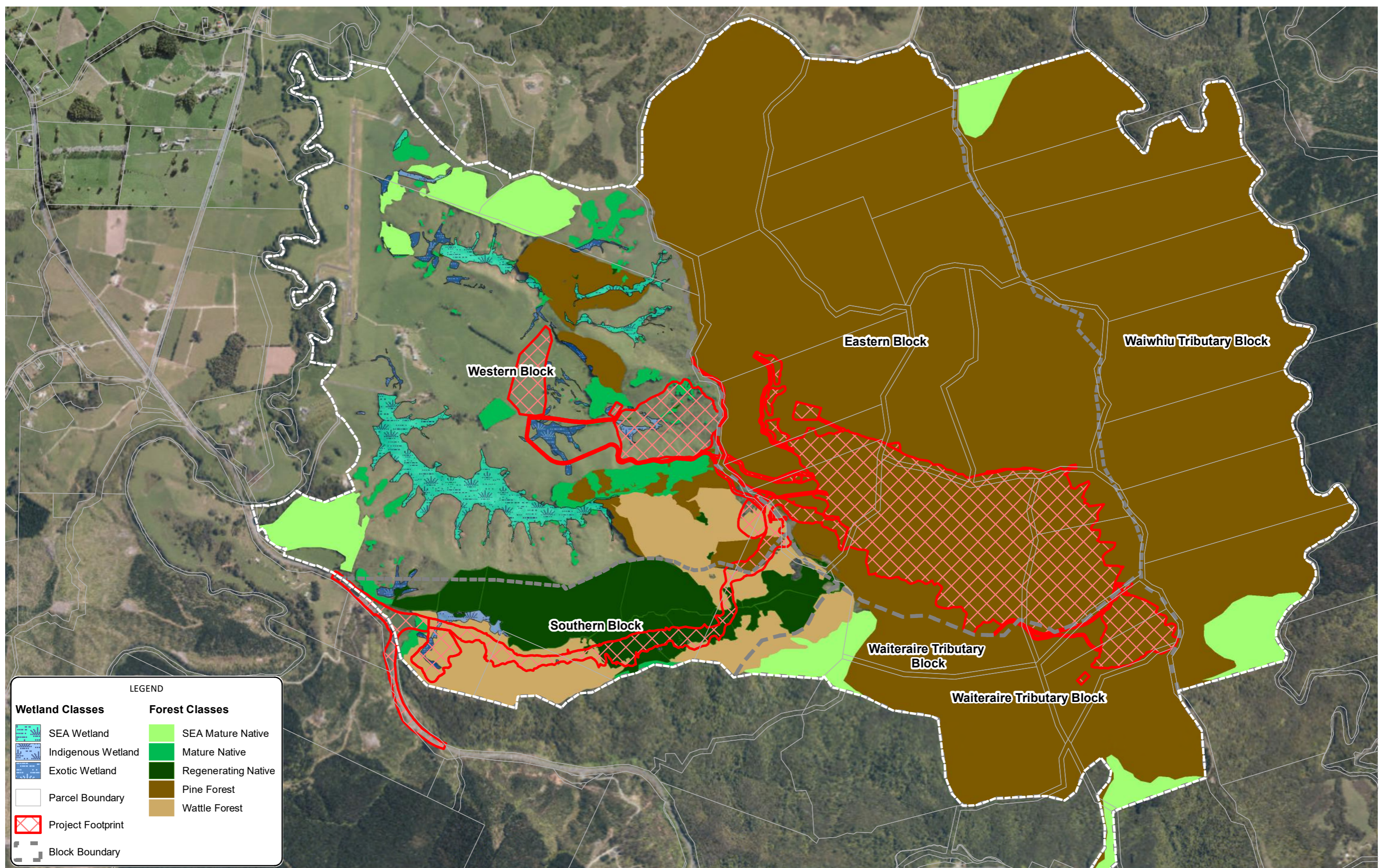


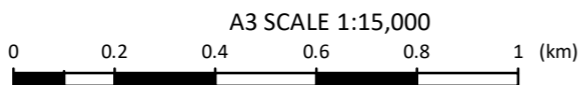
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LEGEND

Wetland Classes	Forest Classes
SEA Wetland	SEA Mature Native
Indigenous Wetland	Mature Native
Exotic Wetland	Regenerating Native
Parcel Boundary	Pine Forest
Project Footprint	Wattle Forest
Block Boundary	

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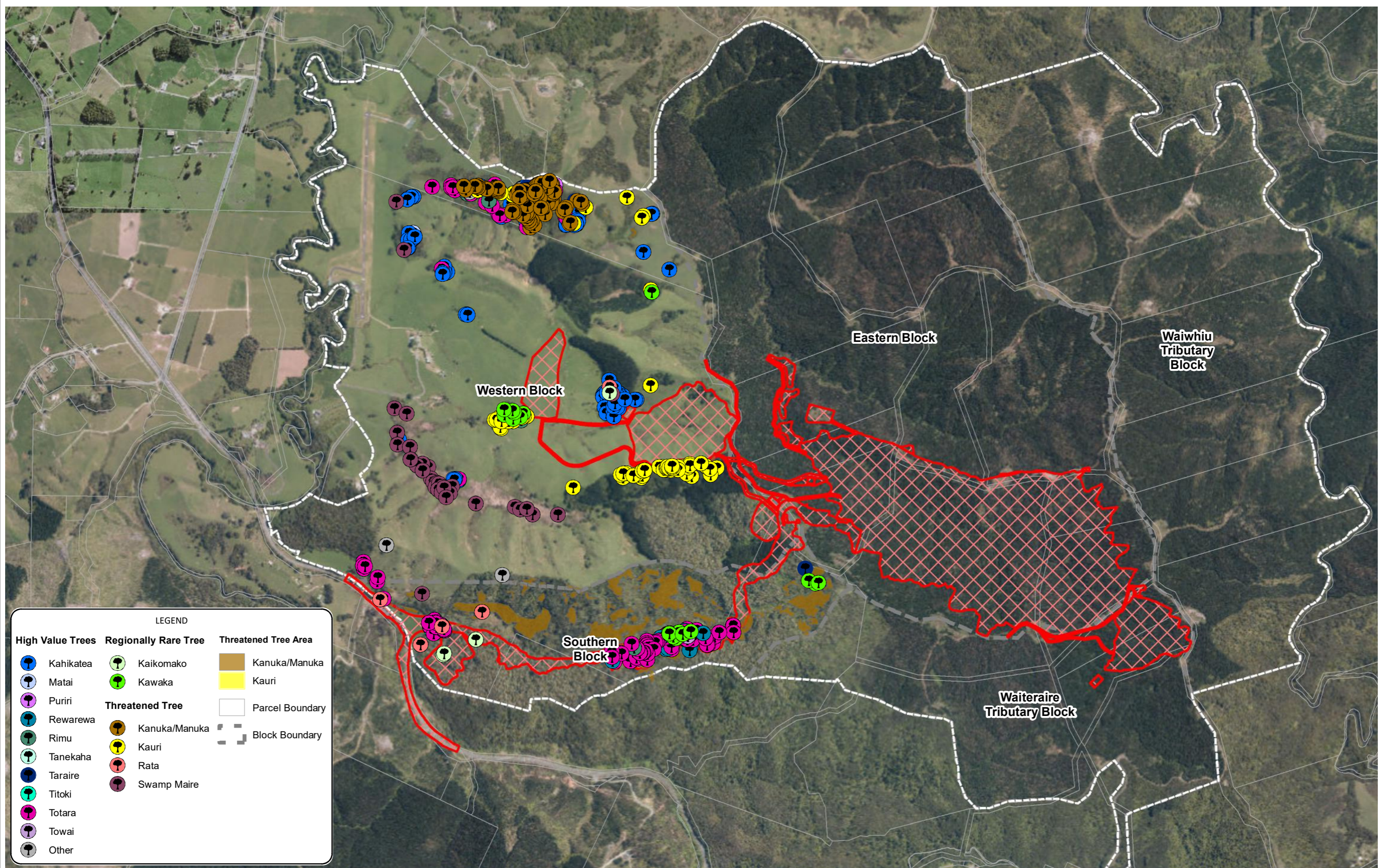
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APPROVED	ALB	May.19
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SCALE (AT A3 SIZE) 1:15,000		
PROJECT No. 1005069.1115		

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AUCKLAND REGIONAL LANDFILL
EXISTING BROAD SCALE VEGETATION CLASSIFICATION

FIGURE No. **Figure 5.**

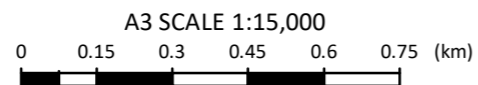
Rev. **3**



LEGEND

High Value Trees	Regionally Rare Tree	Threatened Tree Area
Kahikatea	Kaikomako	Kanuka/Manuka
Matai	Kawaka	Kauri
Puriri	Threatened Tree	Parcel Boundary
Rewarewa	Kanuka/Manuka	Block Boundary
Rimu	Kauri	
Tanekaha	Rata	
Taraire	Swamp Maire	
Titoki		
Totara		
Towai		
Other		

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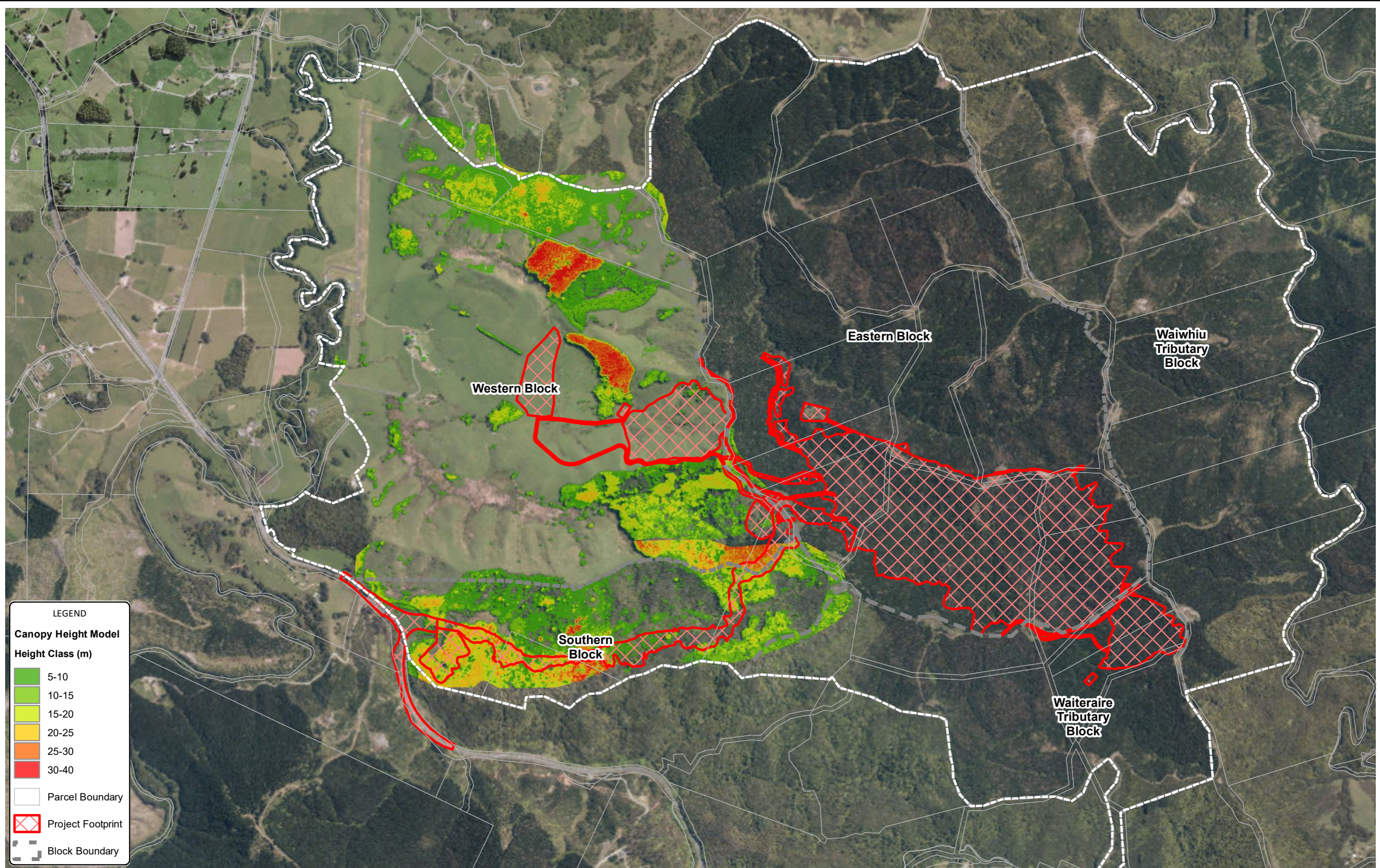
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PROJECT No.		
1005069.1115		

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 AUCKLAND REGIONAL LANDFILL
 THREATENED AND HIGH VALUE TREE SITES IN
 THE WESTERN AND SOUTHERN BLOCKS

FIGURE No. **Figure 6.**

Rev. **3**

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LEGEND

Canopy Height Model

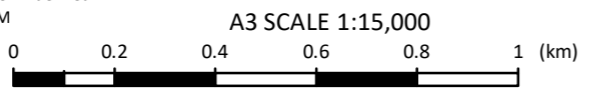
Height Class (m)

- 5-10
- 10-15
- 15-20
- 20-25
- 25-30
- 30-40

- Parcel Boundary
- Project Footprint
- Block Boundary

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Indicative Canopy Height Model created from 2018 UAV derived surface model less 2006 Auckland Council LIDAR DTM



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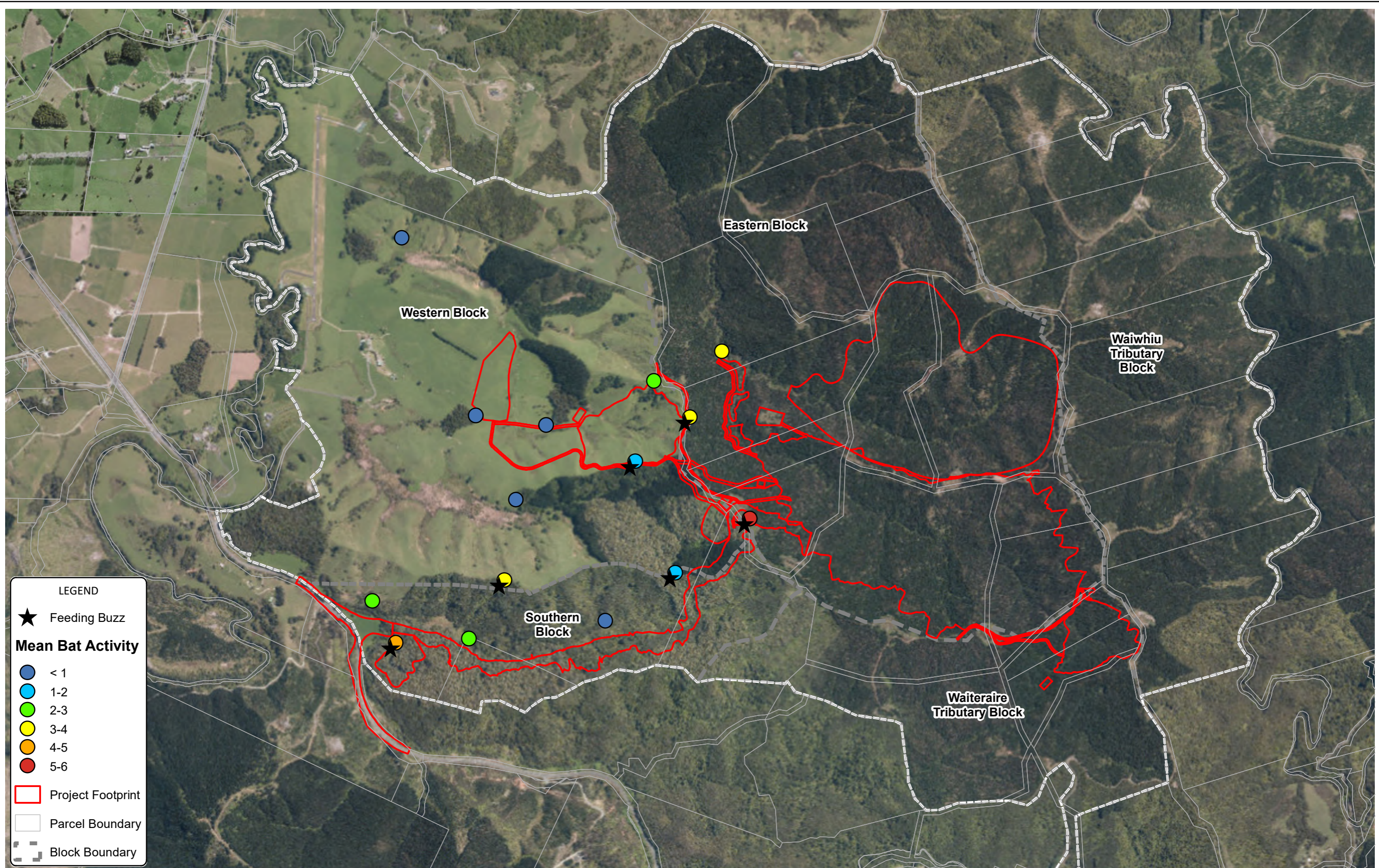
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PROJECT No. 1005069.1115		

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AUCKLAND REGIONAL LANDFILL
CANOPY HEIGHT MODELLING IN THE WESTERN AND SOUTHERN BLOCKS

FIGURE No. **Figure 7.**

Rev. **3**

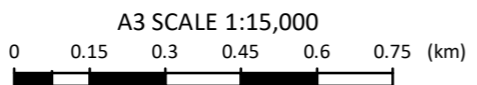
Path: T:\Auckland\Projects\1005069\WorkingMaterial\GIS\Mapdocuments\1005069-1115-FIG008.mxd Date: 14/05/2019 Time: 1:35:50 PM



LEGEND

- ★ Feeding Buzz
- Mean Bat Activity**
- < 1
- 1-2
- 2-3
- 3-4
- 4-5
- 5-6
- ▭ Project Footprint
- ▭ Parcel Boundary
- ▭ Block Boundary

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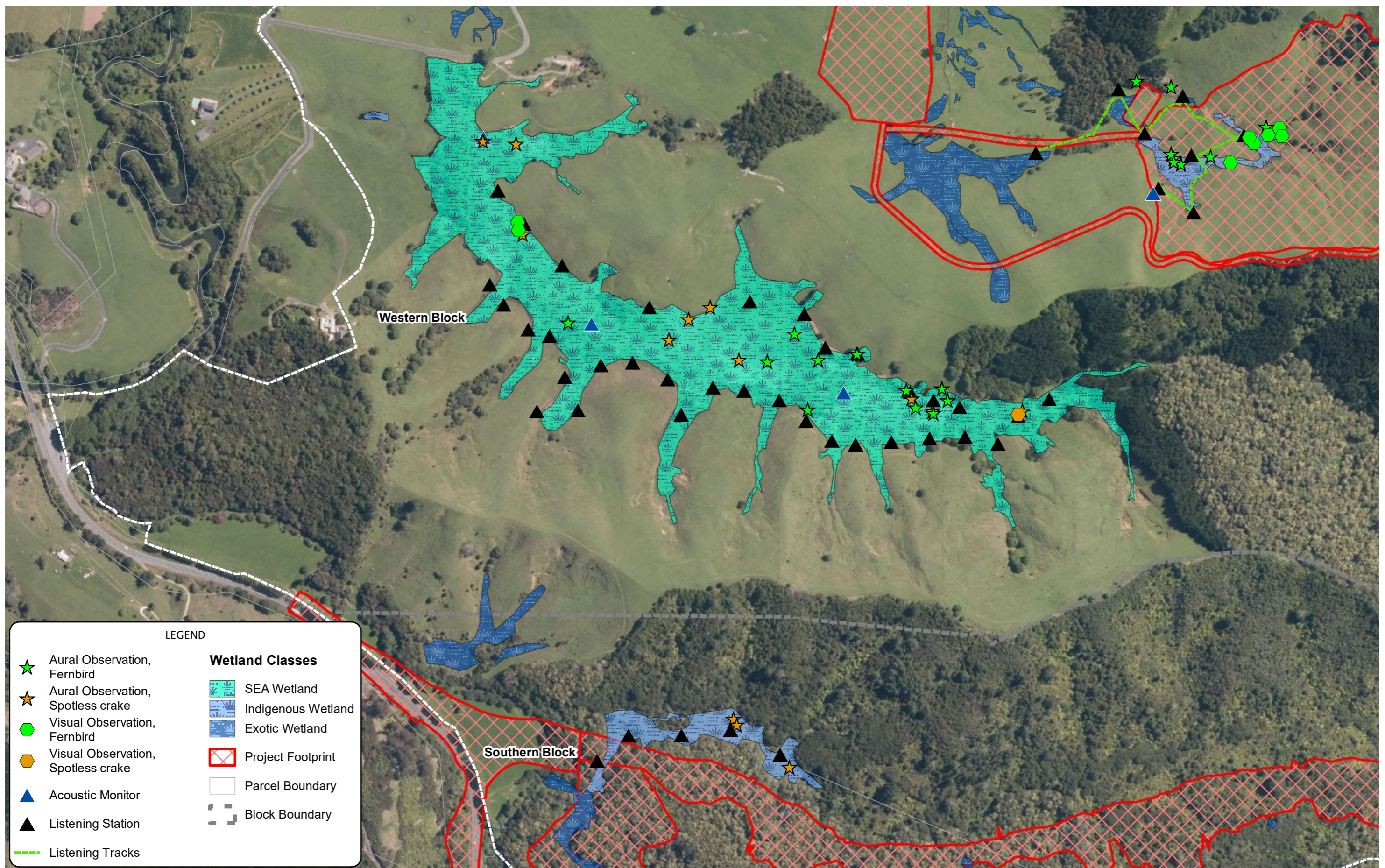
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APPROVED	ALB	May.19
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PROJECT No. 1005069.1115		

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 AUCKLAND REGIONAL LANDFILL
 BAT SURVEY LOCATIONS AND RESULTS

FIGURE No. **Figure 8.**

Rev. **3**



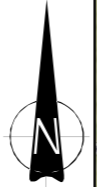
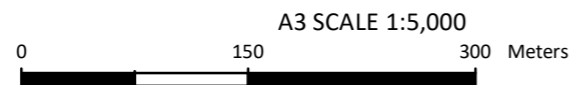
LEGEND

- ★ Aural Observation, Fernbird
- ★ Aural Observation, Spotless crake
- Visual Observation, Fernbird
- Visual Observation, Spotless crake
- ▲ Acoustic Monitor
- ▲ Listening Station
- Listening Tracks

Wetland Classes

- SEA Wetland
- Indigenous Wetland
- Exotic Wetland
- Project Footprint
- Parcel Boundary
- Block Boundary

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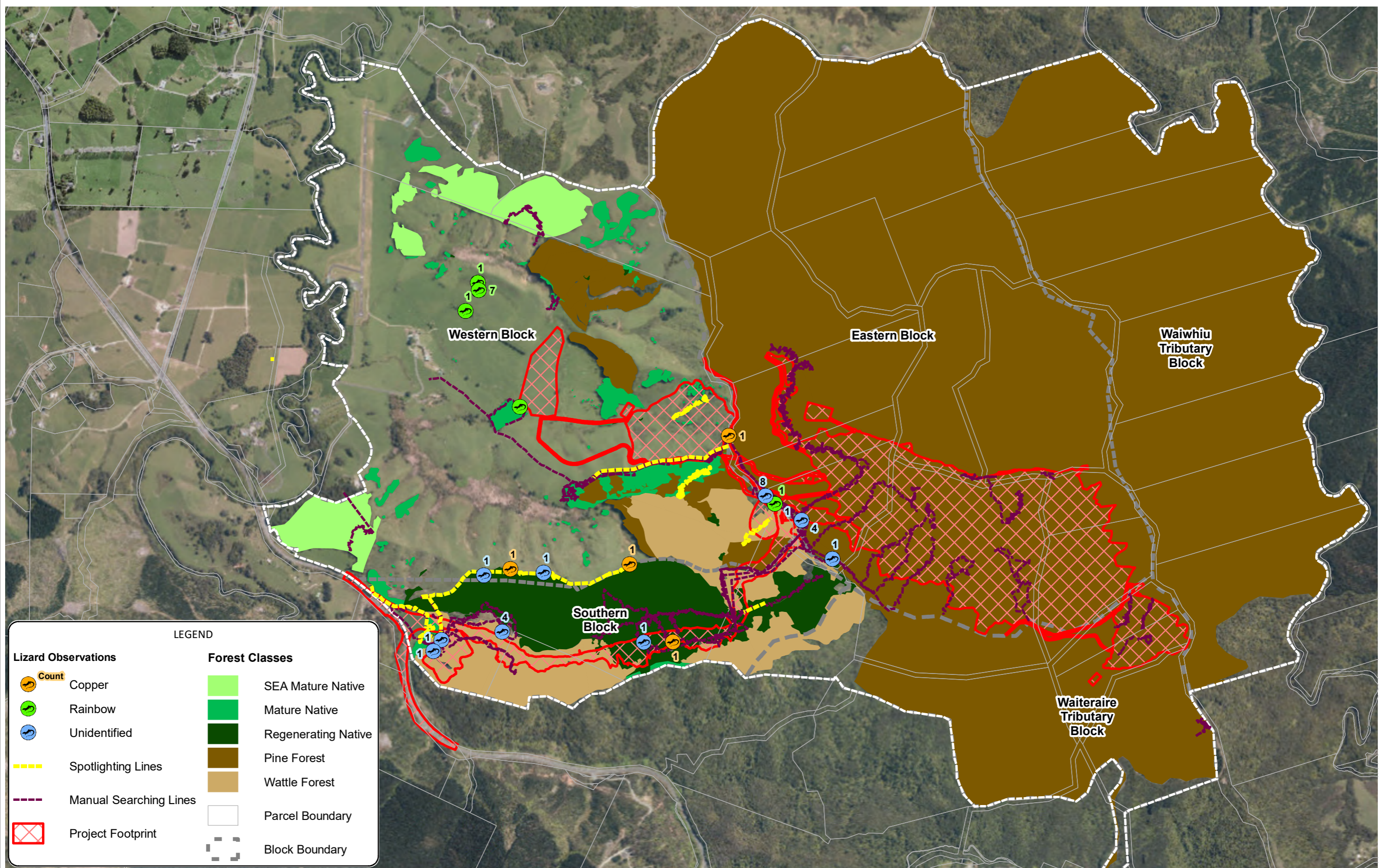
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SCALE (AT A3 SIZE) 1:5,000		
PROJECT No. 1005069.1115		

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 AUCKLAND REGIONAL LANDFILL
 WETLAND BIRD SURVEY LOCATIONS AND RESULTS

FIGURE No. **Figure 9.**

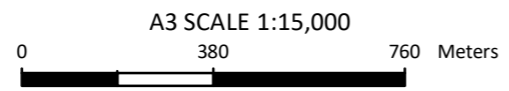
Rev. **3**



LEGEND

Lizard Observations		Forest Classes	
Count	Copper		SEA Mature Native
	Rainbow		Mature Native
	Unidentified		Regenerating Native
	Spotlighting Lines		Pine Forest
	Manual Searching Lines		Wattle Forest
	Project Footprint		Parcel Boundary
			Block Boundary

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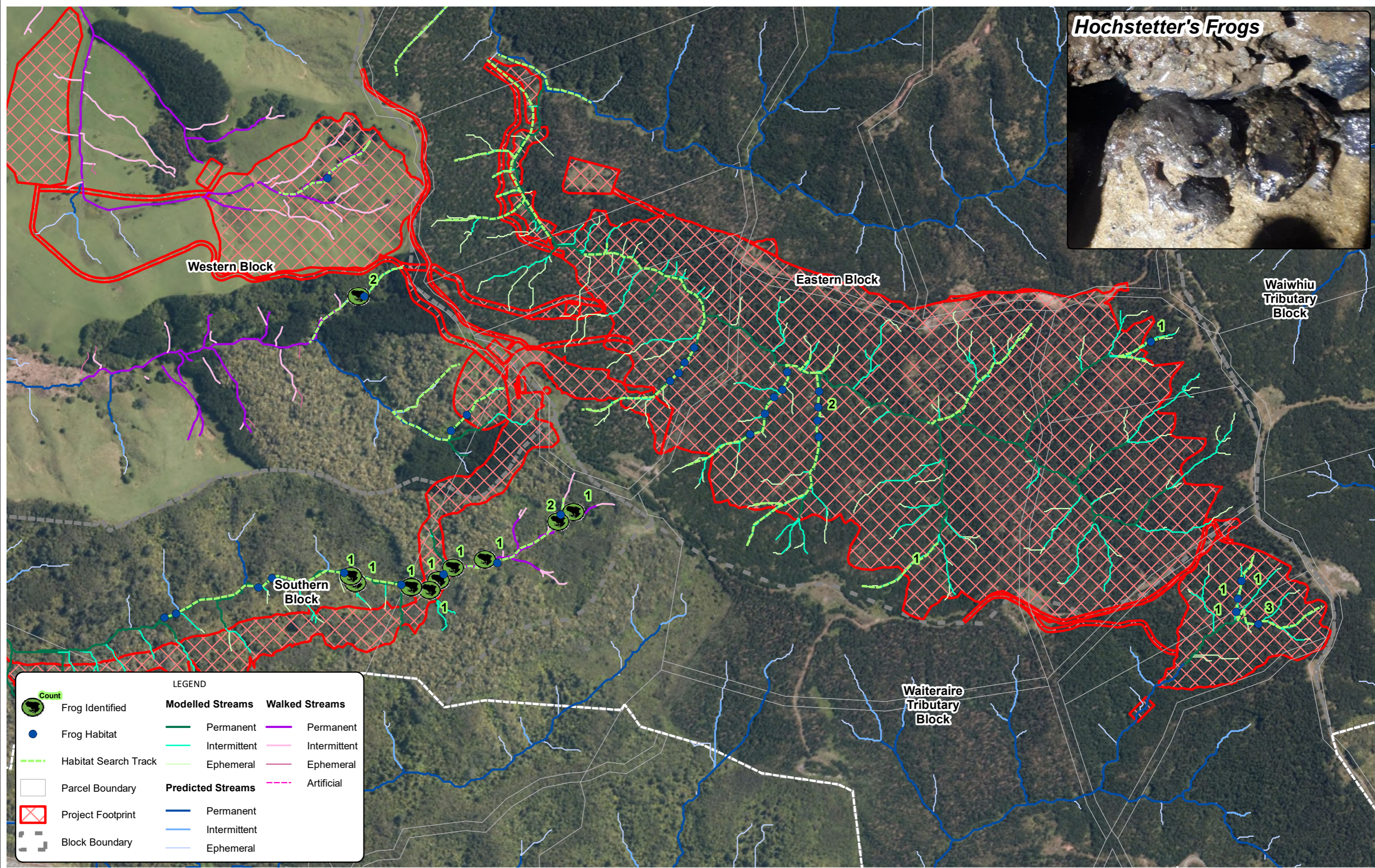
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SCALE (AT A3 SIZE) 1:15,000		
PROJECT No. 1005069.1115		

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AUCKLAND REGIONAL LANDFILL
LIZARD SURVEY LOCATIONS AND RESULTS

FIGURE No. Figure 10.

Rev. 3



Count

- Frog Identified
- Frog Habitat
- Habitat Search Track
- Parcel Boundary
- Project Footprint
- Block Boundary

LEGEND

Modelled Streams

- Permanent
- Intermittent
- Ephemeral

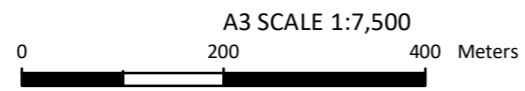
Walked Streams

- Permanent
- Intermittent
- Ephemeral
- Artificial

Predicted Streams

- Permanent
- Intermittent
- Ephemeral

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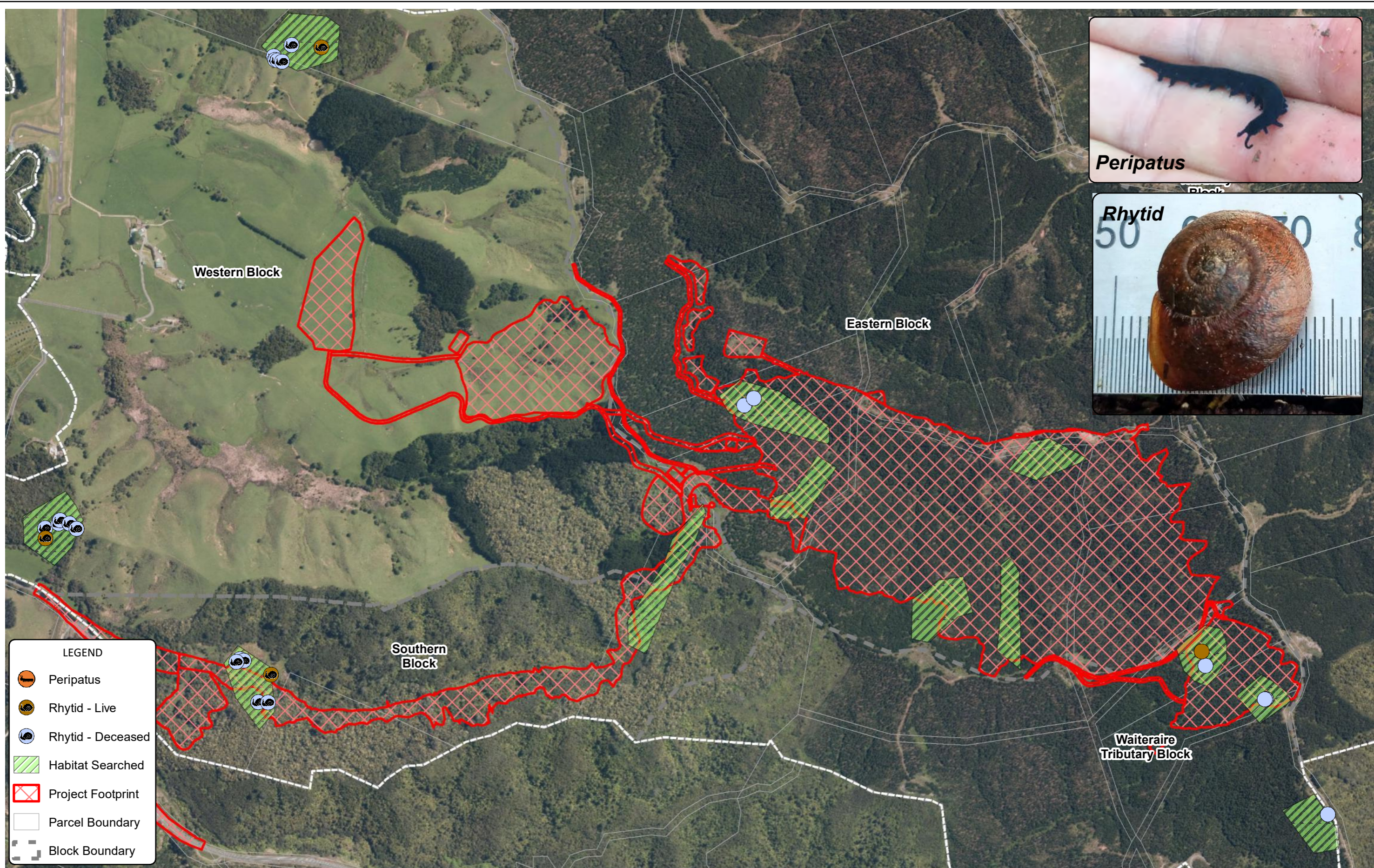
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1:7,500		
PROJECT No. 1005069.1115		

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AUCKLAND REGIONAL LANDFILL
FROG SURVEY LOCATIONS AND RESULTS

FIGURE No. **Figure 11.**

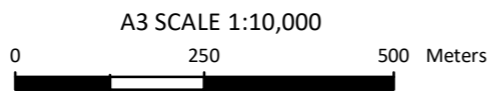
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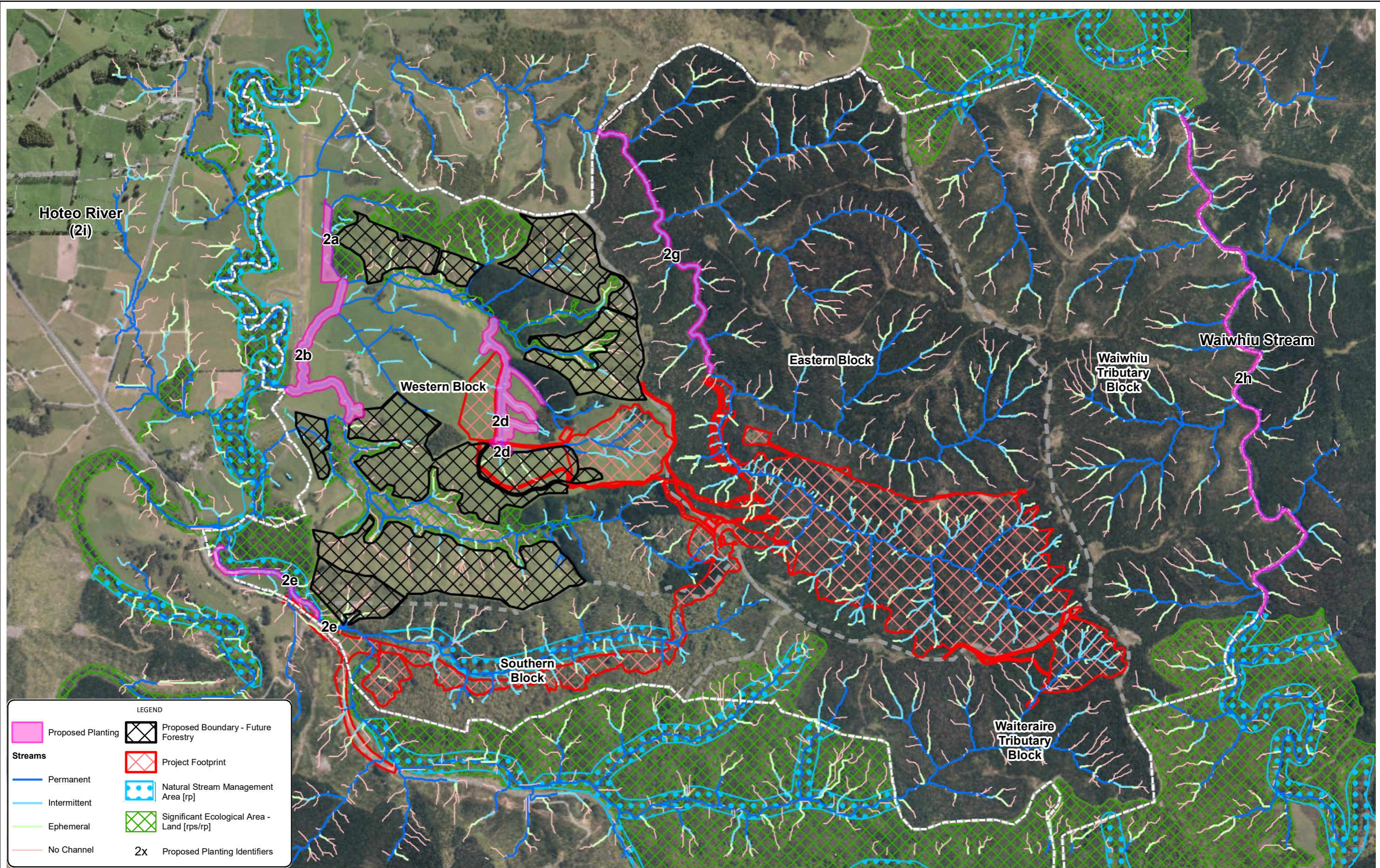
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PROJECT No. 1005069.1115		

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AUCKLAND REGIONAL LANDFILL
INVERTEBRATE SURVEY LOCATIONS AND RESULTS

FIGURE No. Figure 12.

Rev. 3

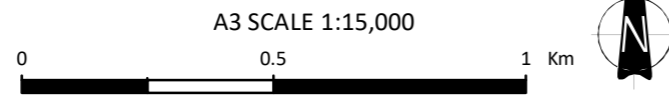
Path: T:\Auckland\Projects\1005069\WorkingMaterial\GIS\Mapdocuments\1005069-1115-FIG013.mxd Date: 14/05/2019 Time: 2:23:44 PM



LEGEND

- Proposed Planting
- Streams
 - Permanent
 - Intermittent
 - Ephemeral
 - No Channel
- Proposed Boundary - Future Forestry
- Project Footprint
- Natural Stream Management Area [rp]
- Significant Ecological Area - Land [rps/rp]
- 2x Proposed Planting Identifiers

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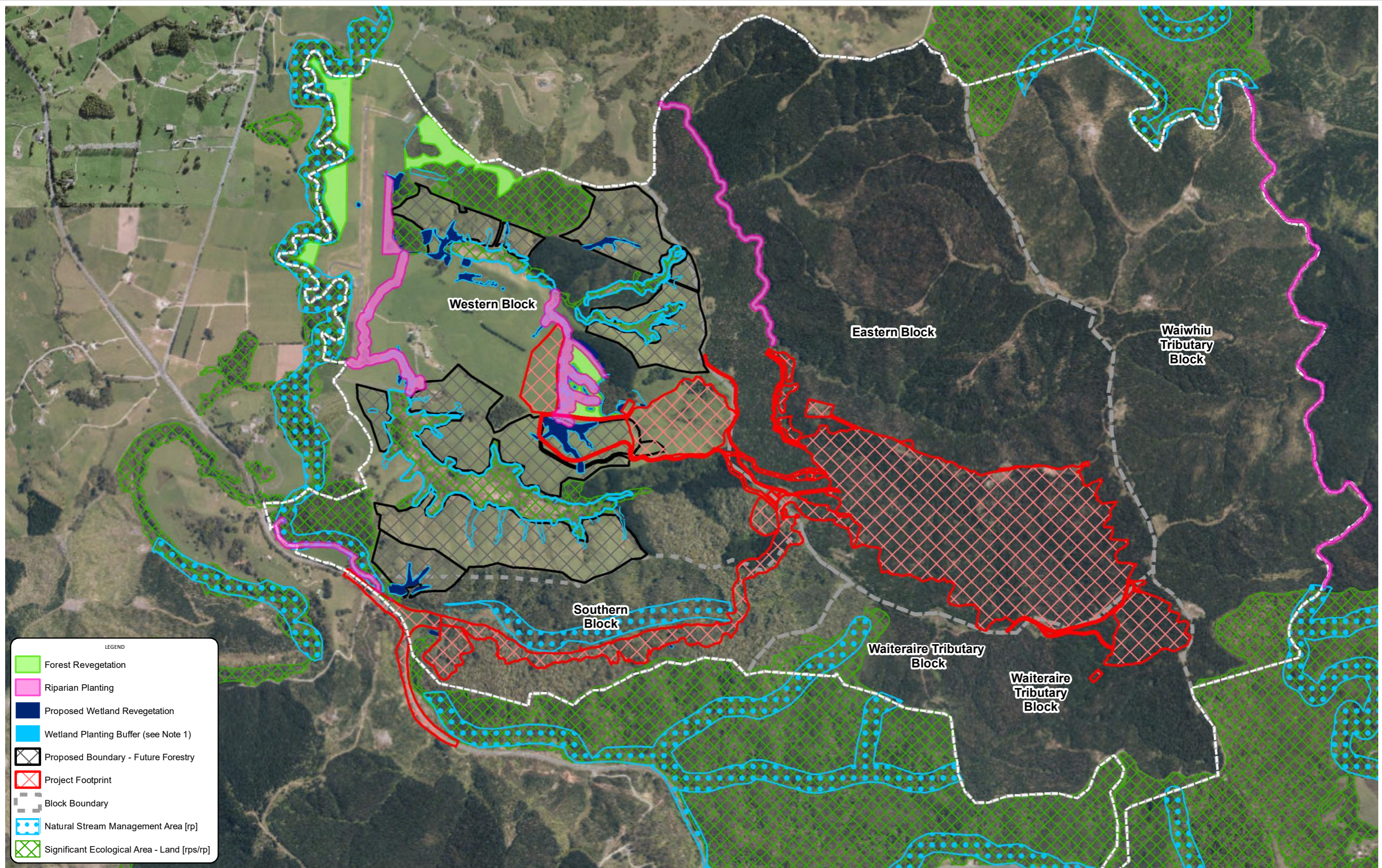
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AUCKLAND REGIONAL LANDFILL
FRESHWATER OFFSET AND COMPENSATION PACKAGE

FIGURE No. Figure 13.

Rev. 3

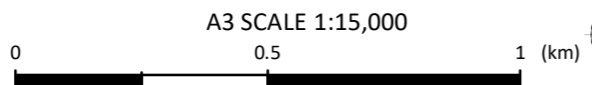
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LEGEND	
	Forest Revegetation
	Riparian Planting
	Proposed Wetland Revegetation
	Wetland Planting Buffer (see Note 1)
	Proposed Boundary - Future Forestry
	Project Footprint
	Block Boundary
	Natural Stream Management Area [rp]
	Significant Ecological Area - Land [rps/rp]

Notes: Note 1: Wetland Planting buffer is 10m in width where wetland boundary coincides with SEA boundary, and 5m in width for other (non-SEA) wetland areas. No wetland buffer planting occurs in forest areas or within the project footprint extents.

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AUCKLAND REGIONAL LANDFILL
FOREST AND WETLAND COMPENSATION PACKAGE

FIGURE No. **Figure 14.**

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