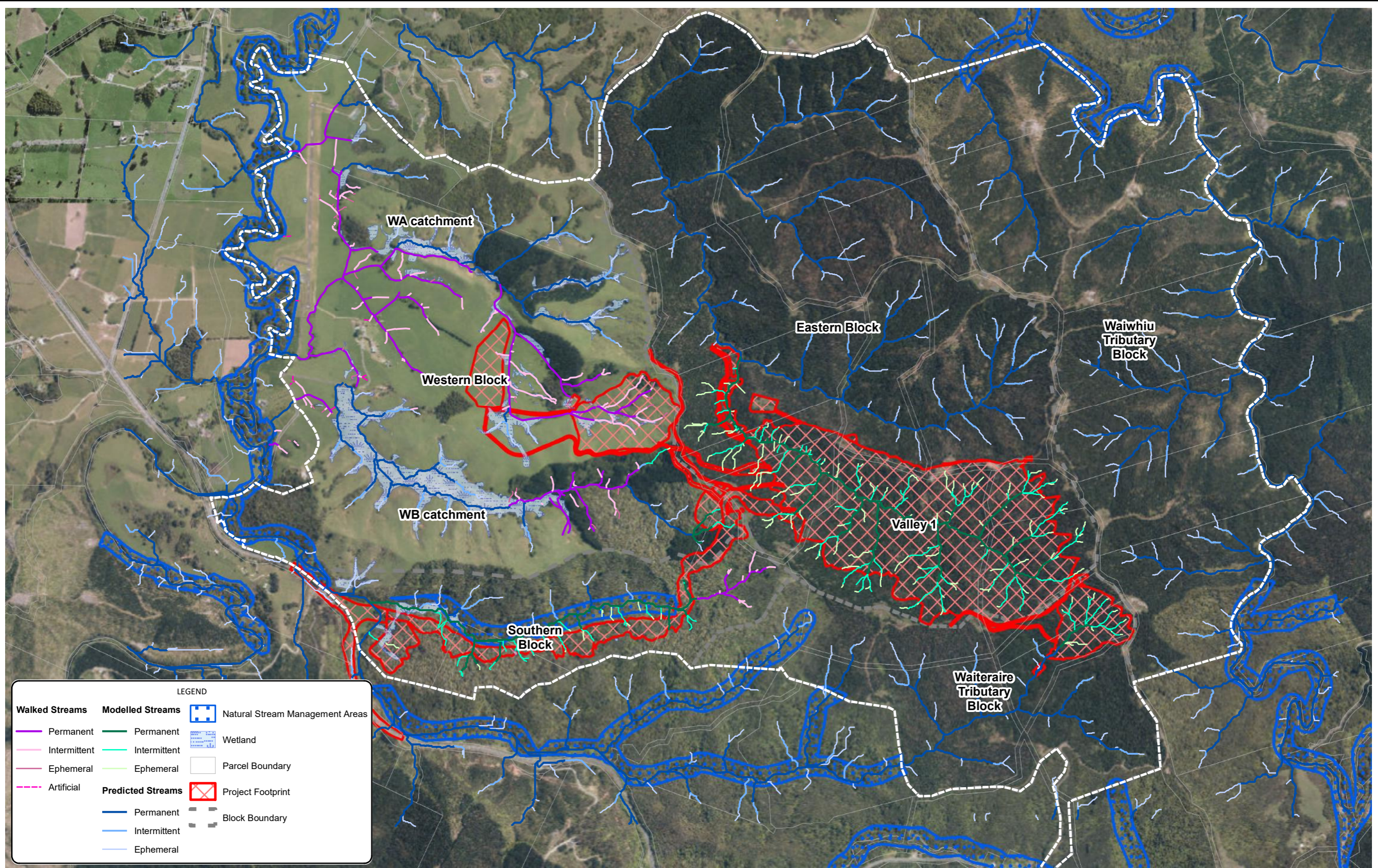


Appendix B: Site maps

- Figure 1 – Stream Classification and Extent
- Figure 2 – Macroinvertebrate Sampling Locations
- Figure 3 – Fish Survey Locations
- Figure 4 – Stream Ecological Valuation Locations
- Figure 5 – Broad Scale Vegetation Classification
- Figure 5a – Existing Vegetation Classification according to Singers
- Figure 6 – Threatened and High Value Trees Site Map
- Figure 7 – Canopy Height Modelling
- Figure 8 – Bat Survey Locations and Results
- Figure 9 – Wetland Bird Survey Locations and Results
- Figure 9a – Non Wetland Bird Surveys
- Figure 10 – Lizard Survey Locations and Results
- Figure 11 – Frog Survey Locations and Results
- Figure 12 – Invertebrate Survey Locations and Results
- Figure 13 – Auckland Regional Landfill Offset Package Freshwater
- Figure 14 – Proposed Forest and Wetland Compensation Package

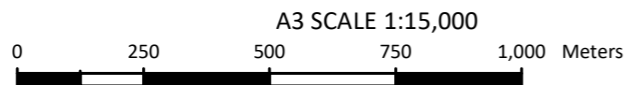
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LEGEND

Walked Streams	Modelled Streams	Natural Stream Management Areas
Permanent	Permanent	Wetland
Intermittent	Intermittent	Parcel Boundary
Ephemeral	Ephemeral	Project Footprint
Artificial	Predicted Streams	Block Boundary
	Permanent	
	Intermittent	
	Ephemeral	

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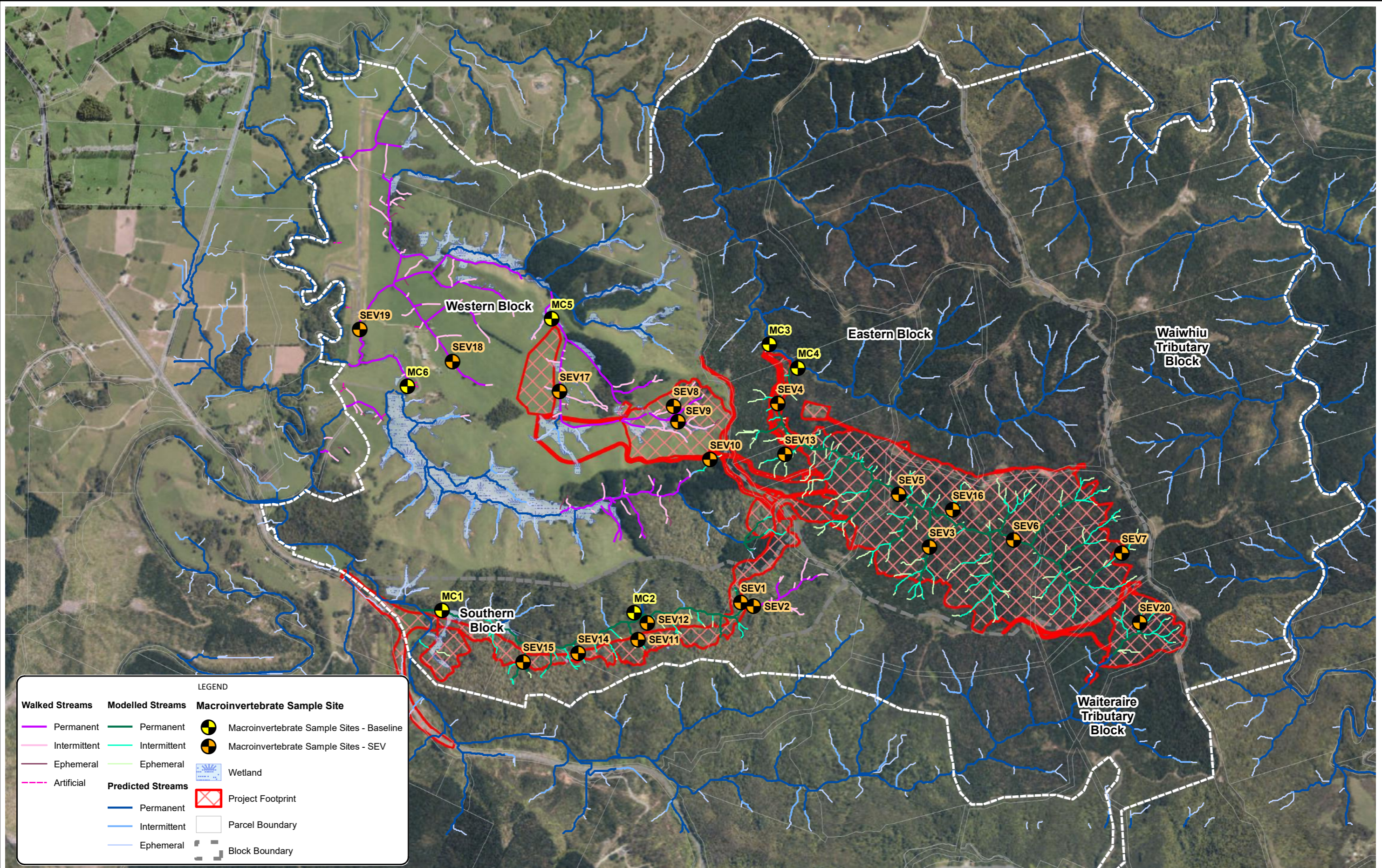
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SCALE (AT A3 SIZE) 1:15,000		
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**WASTE MANAGEMENT NZ
AUCKLAND REGIONAL LANDFILL
STREAM CLASSIFICATION AND EXTENT**

FIGURE No. Figure 1.

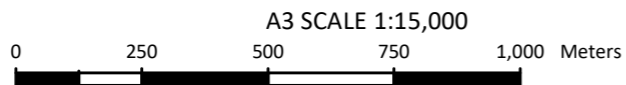
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LEGEND

Walked Streams	Modelled Streams	Macroinvertebrate Sample Site
Permanent (purple line)	Permanent (green line)	Macroinvertebrate Sample Sites - Baseline (yellow/black symbol)
Intermittent (pink line)	Intermittent (cyan line)	Macroinvertebrate Sample Sites - SEV (black/yellow symbol)
Ephemeral (brown line)	Ephemeral (light green line)	Wetland (blue hatched area)
Artificial (dashed pink line)	Predicted Streams	Project Footprint (red hatched area)
	Permanent (blue line)	Parcel Boundary (white dashed line)
	Intermittent (light blue line)	Block Boundary (grey dashed line)
	Ephemeral (very light blue line)	

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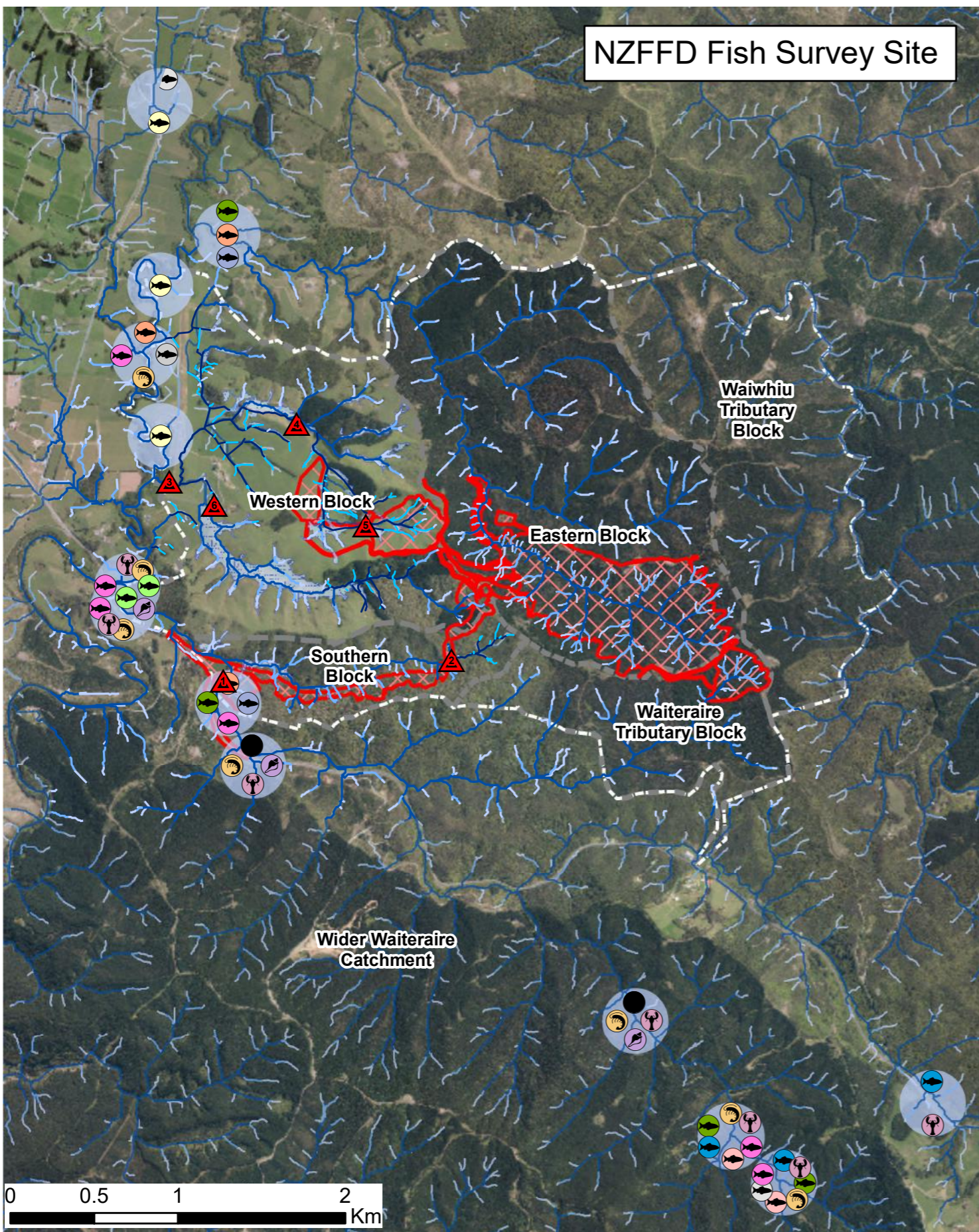
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WASTE MANAGEMENT NZ
AUCKLAND REGIONAL LANDFILL
MACROINVERTEBRATE SAMPLING LOCATIONS

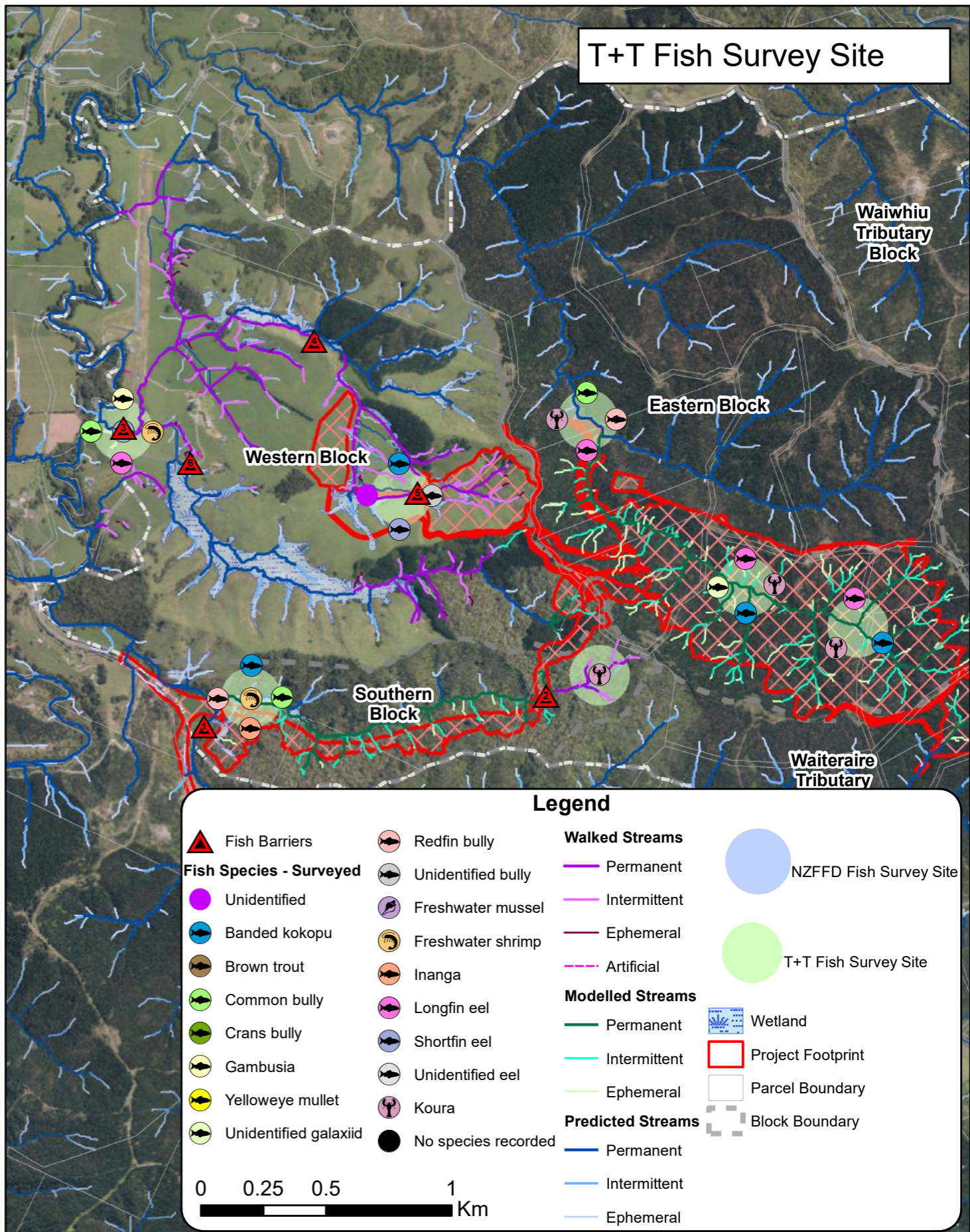
FIGURE No. Figure 2.

Rev. 4

NZFFD Fish Survey Site



T+T Fish Survey Site



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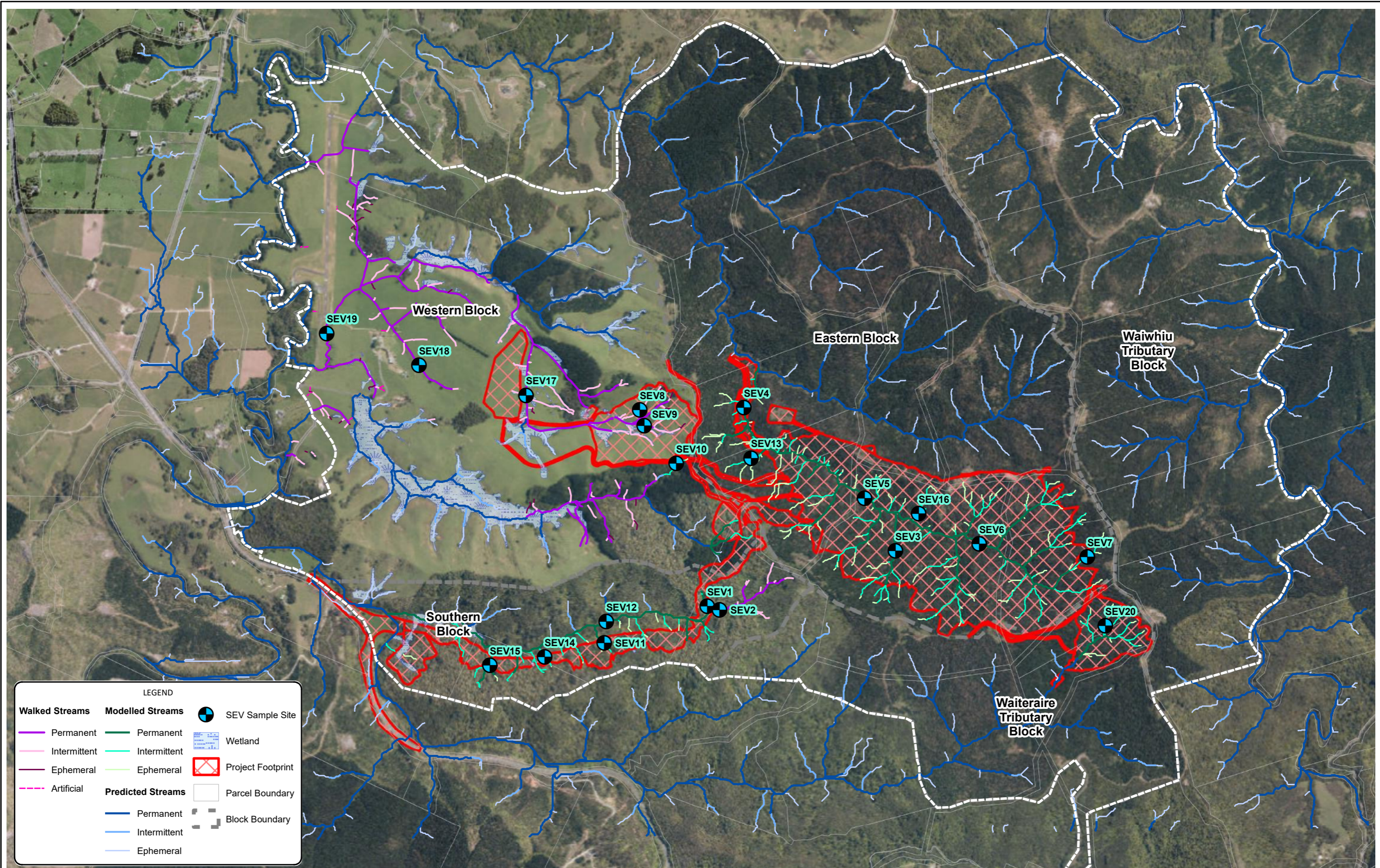
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APPROVED		
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SCALE (AT A3 SIZE) NZFFD Map: 1:30,000 T+T Survey Site Map: 1:20,000		
PROJECT No. 1005069		

**WASTE MANAGEMENT NZ
 AUCKLAND REGIONAL LANDFILL
 FISH SURVEY LOCATIONS**

FIGURE No. **Figure 3.** Rev. **4**

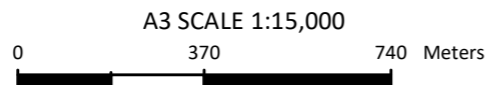
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LEGEND

Walked Streams	Modelled Streams	SEV Sample Site
Permanent	Permanent	Wetland
Intermittent	Intermittent	Project Footprint
Ephemeral	Ephemeral	Parcel Boundary
Artificial	Predicted Streams	Block Boundary
	Permanent	
	Intermittent	
	Ephemeral	

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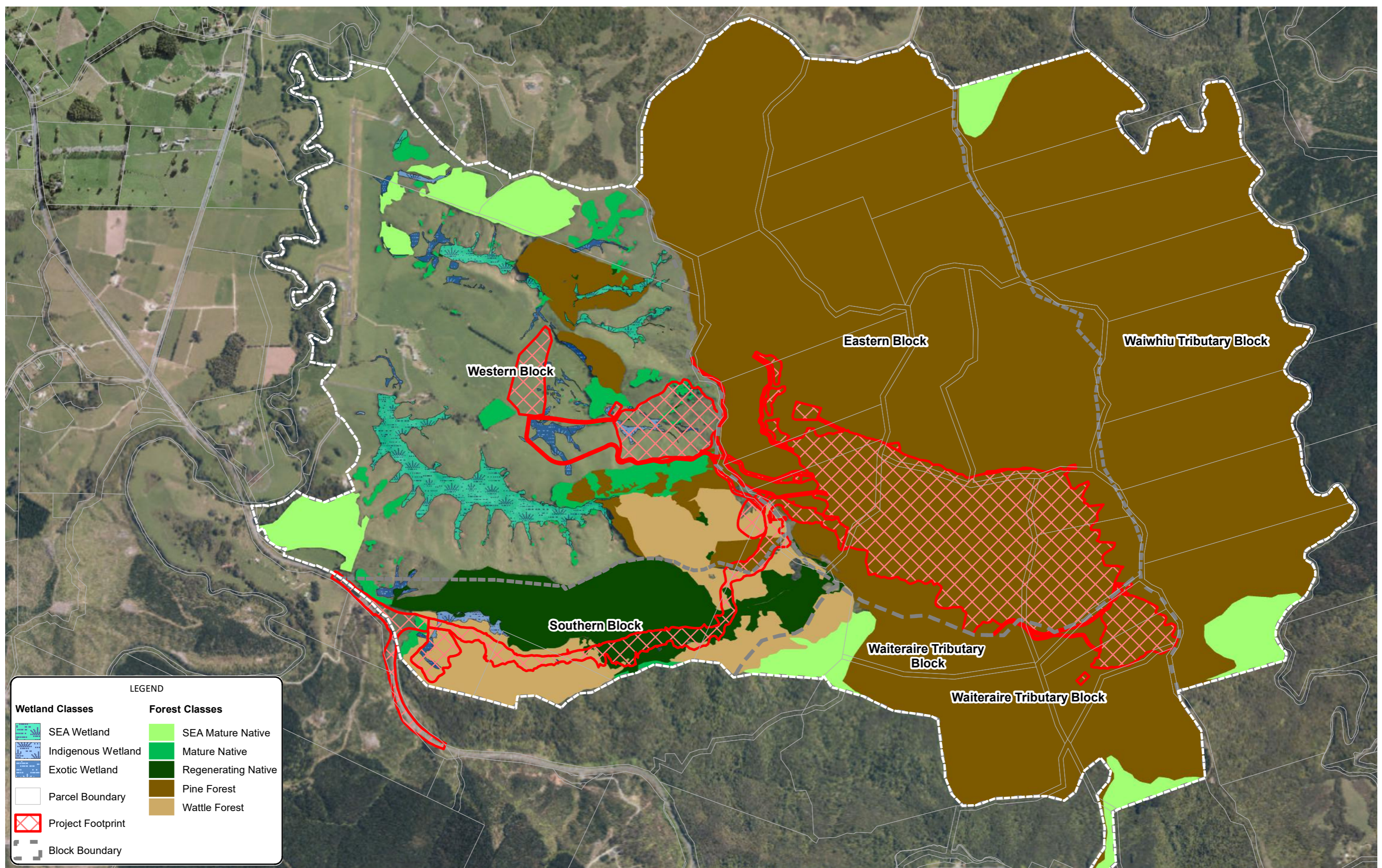
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WASTE MANAGEMENT NZ
AUCKLAND REGIONAL LANDFILL
STREAM ECOLOGICAL VALUATION LOCATIONS

FIGURE No. Figure 4. Rev. 4

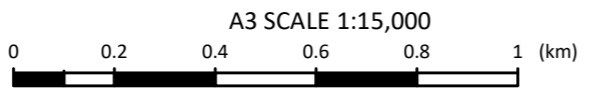
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LEGEND

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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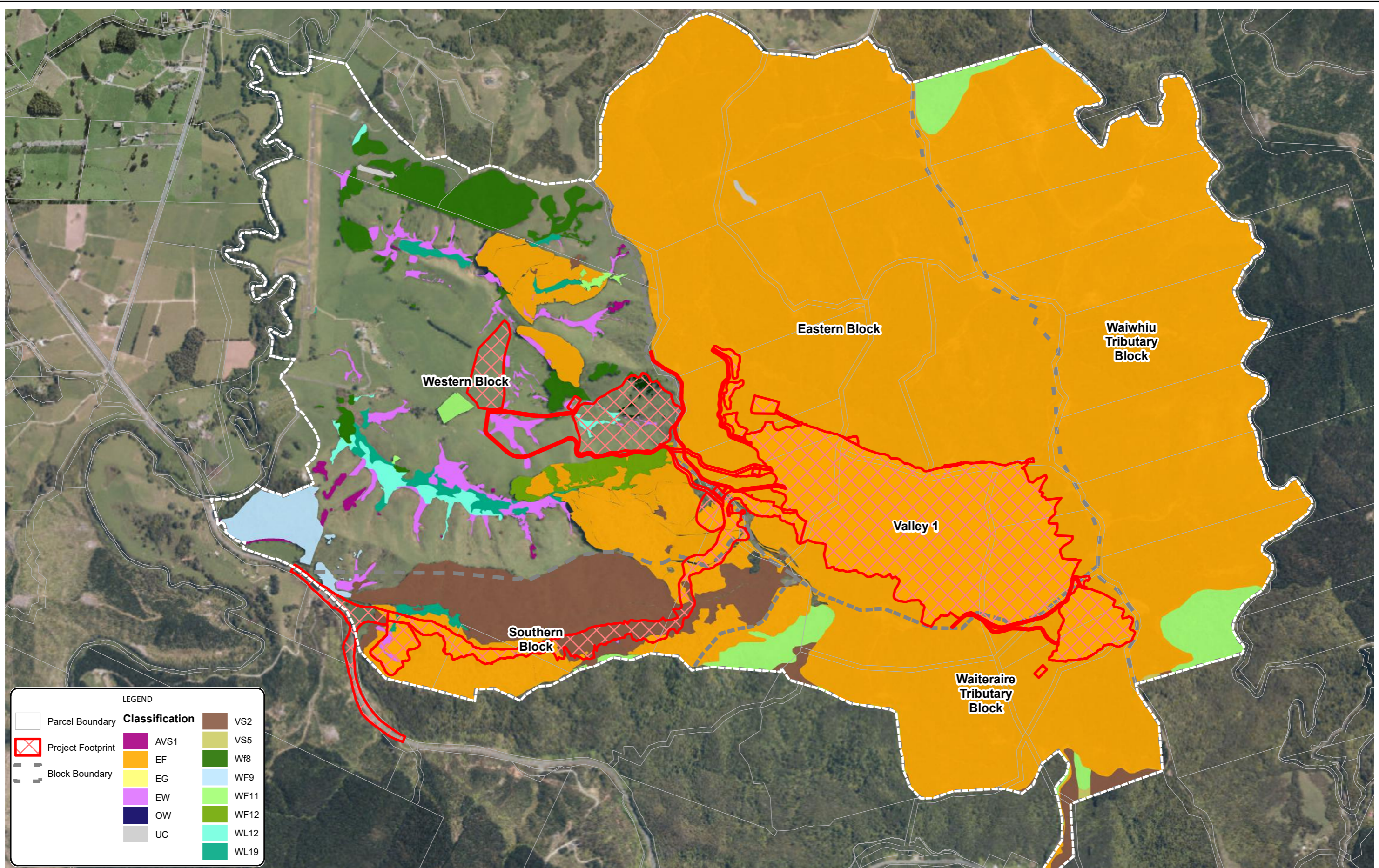
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WASTE MANAGEMENT NZ
AUCKLAND REGIONAL LANDFILL
EXISTING BROAD SCALE VEGETATION CLASSIFICATION

FIGURE No. **Figure 5.**

Rev. **4**

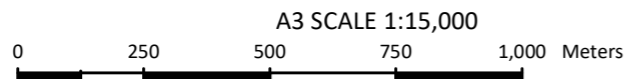
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LEGEND

	Parcel Boundary	Classification		VS2
	Project Footprint		AVS1	
	Block Boundary		EF	
			EG	
			EW	
			OW	
			UC	
			VS5	
			Wf8	
			WF9	
			WF11	
			WF12	
			WL12	
			WL19	

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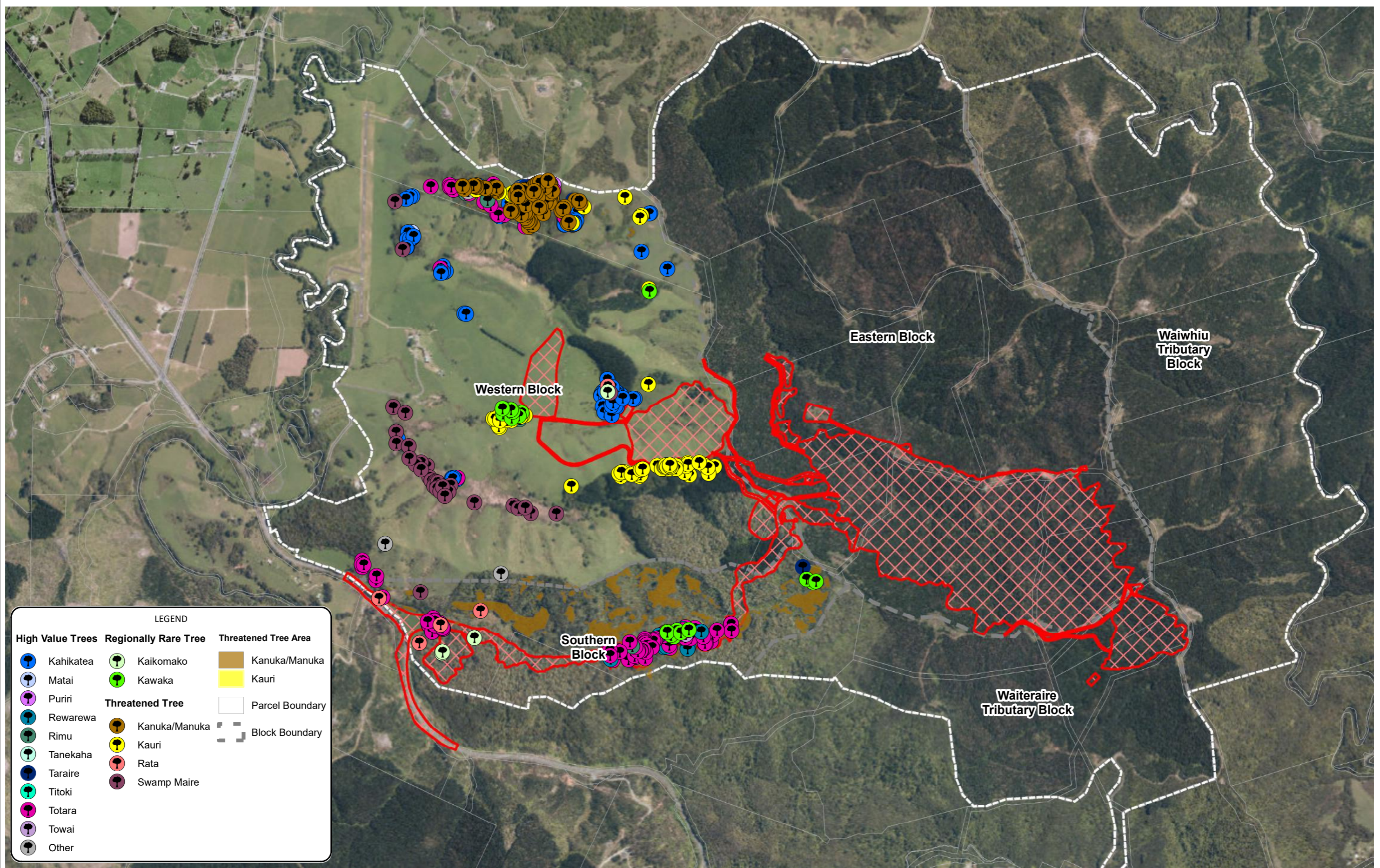


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WASTE MANAGEMENT NZ
AUCKLAND REGIONAL LANDFILL
EXISTING VEGETATION CLASSIFICATION
ACCORDING TO SINGERS

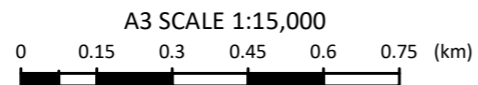
FIGURE No. Figure 5a. Rev. 4



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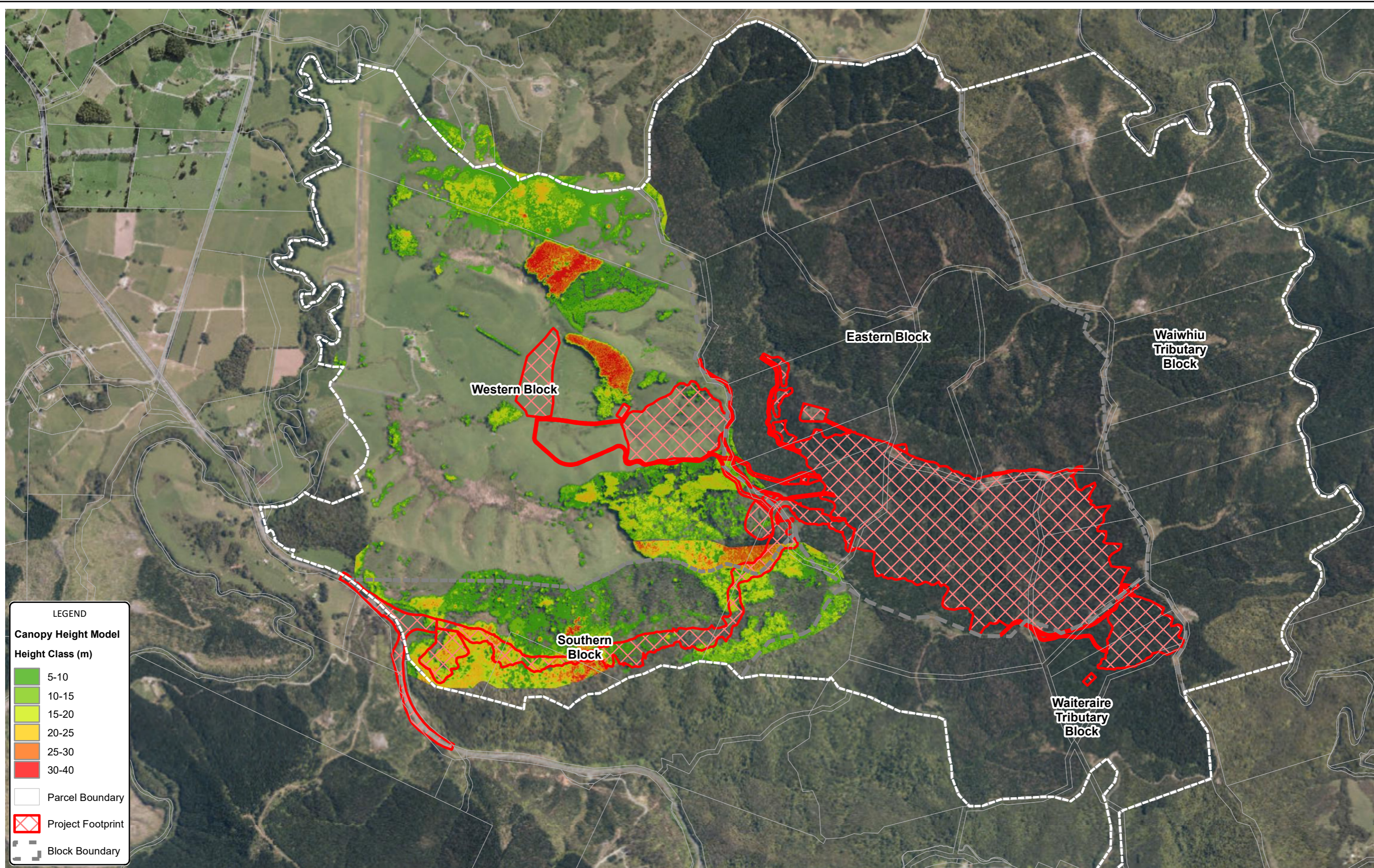
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 AUCKLAND REGIONAL LANDFILL
 THREATENED AND HIGH VALUE TREE SITES IN
 THE WESTERN AND SOUTHERN BLOCKS

FIGURE No. **Figure 6.**

Rev. **4**

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LEGEND

Canopy Height Model

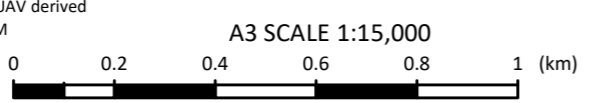
Height Class (m)

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

FIGURE No. **Figure 7.**

Rev. **4**