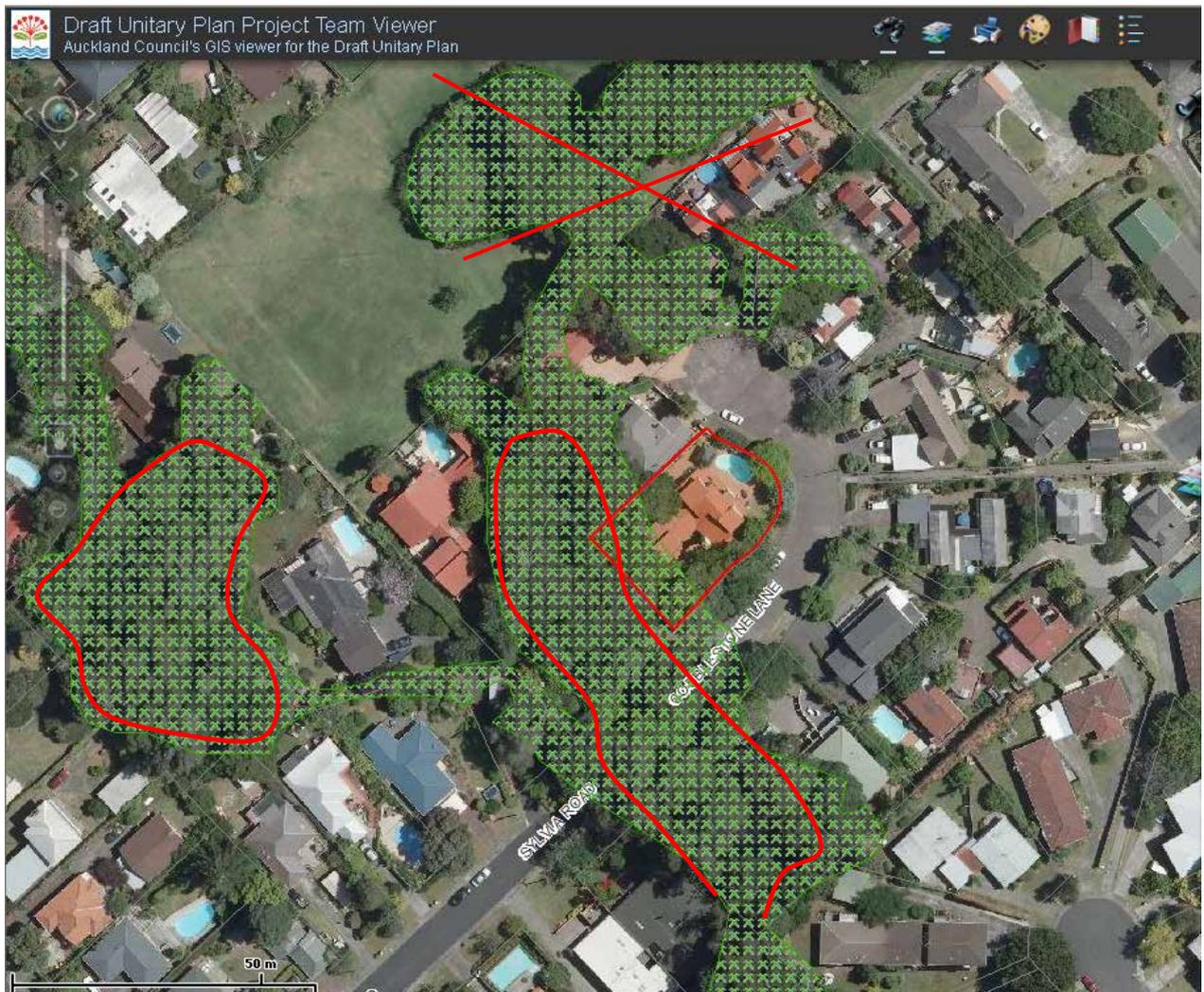
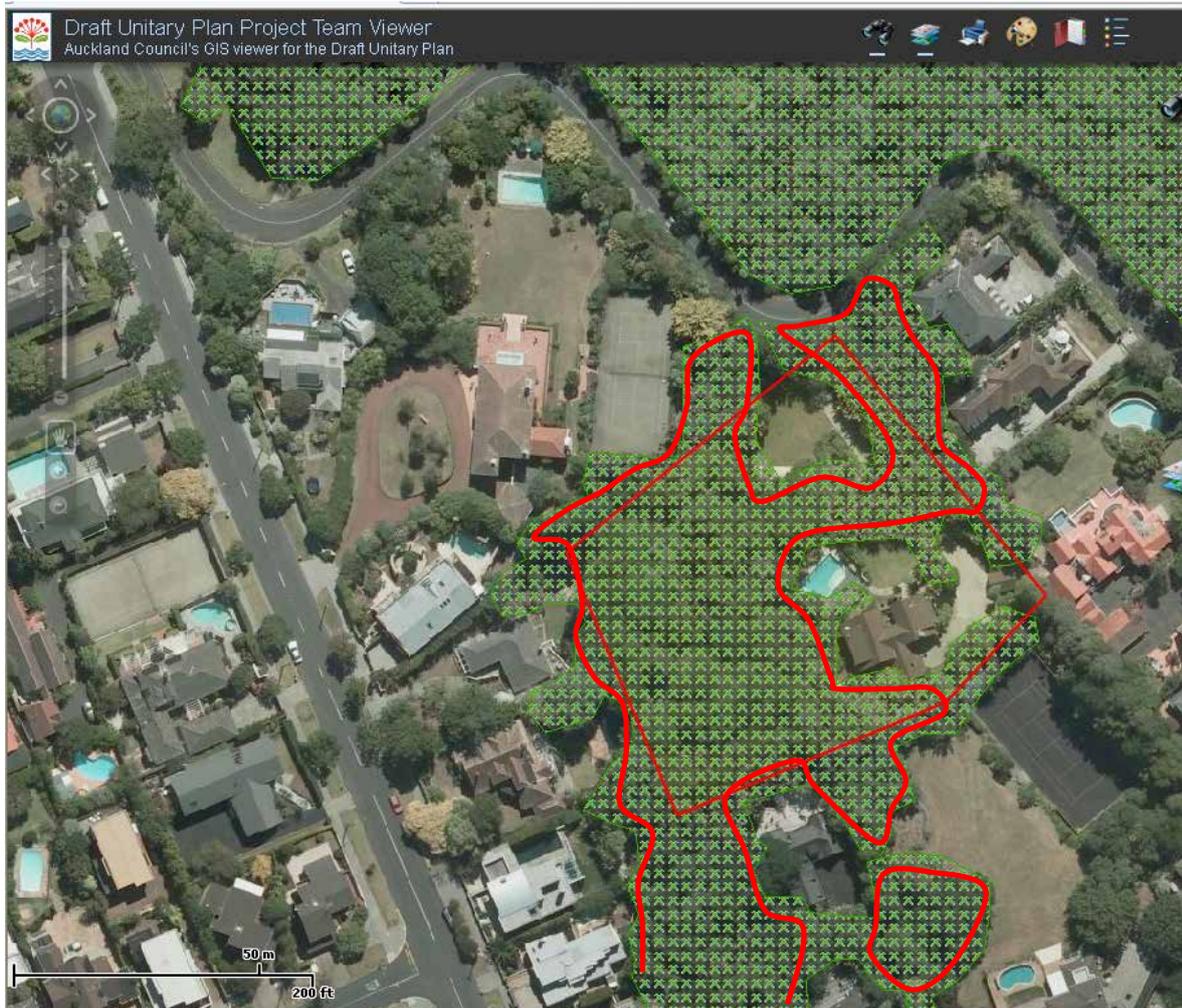


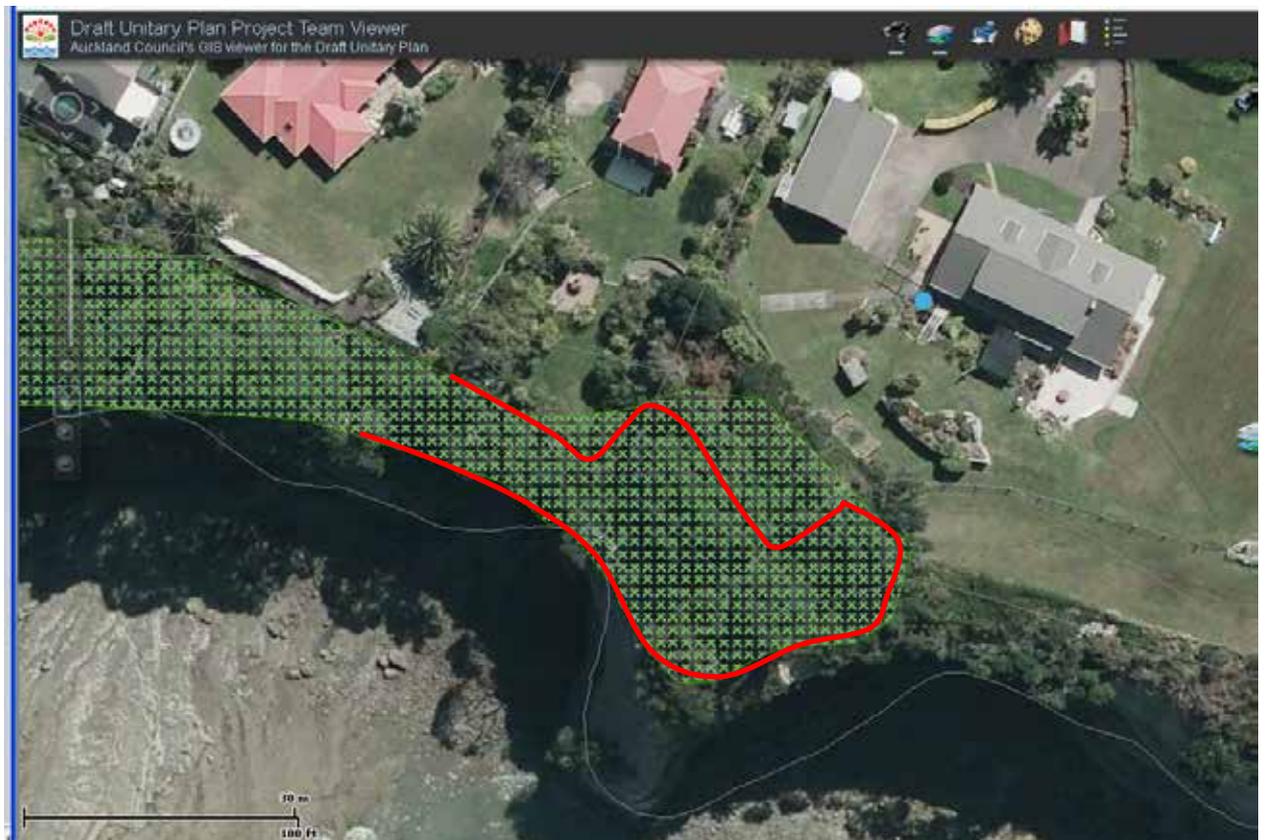
3 Cobblestone Lane, Hillcrest and nearby areas. \_SEA\_T\_8215



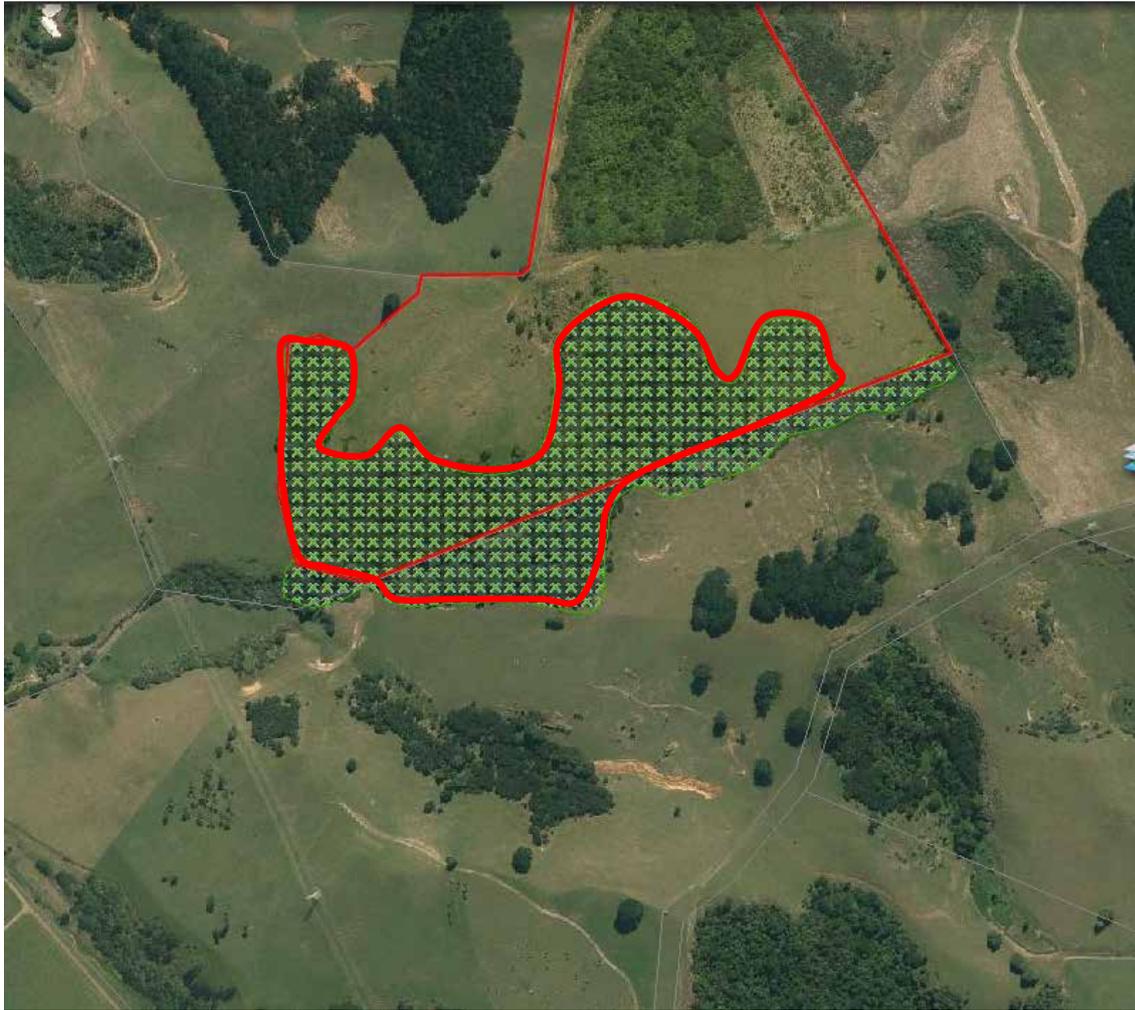
15 fern Glen Road south, St Heliers SEA\_T 6184



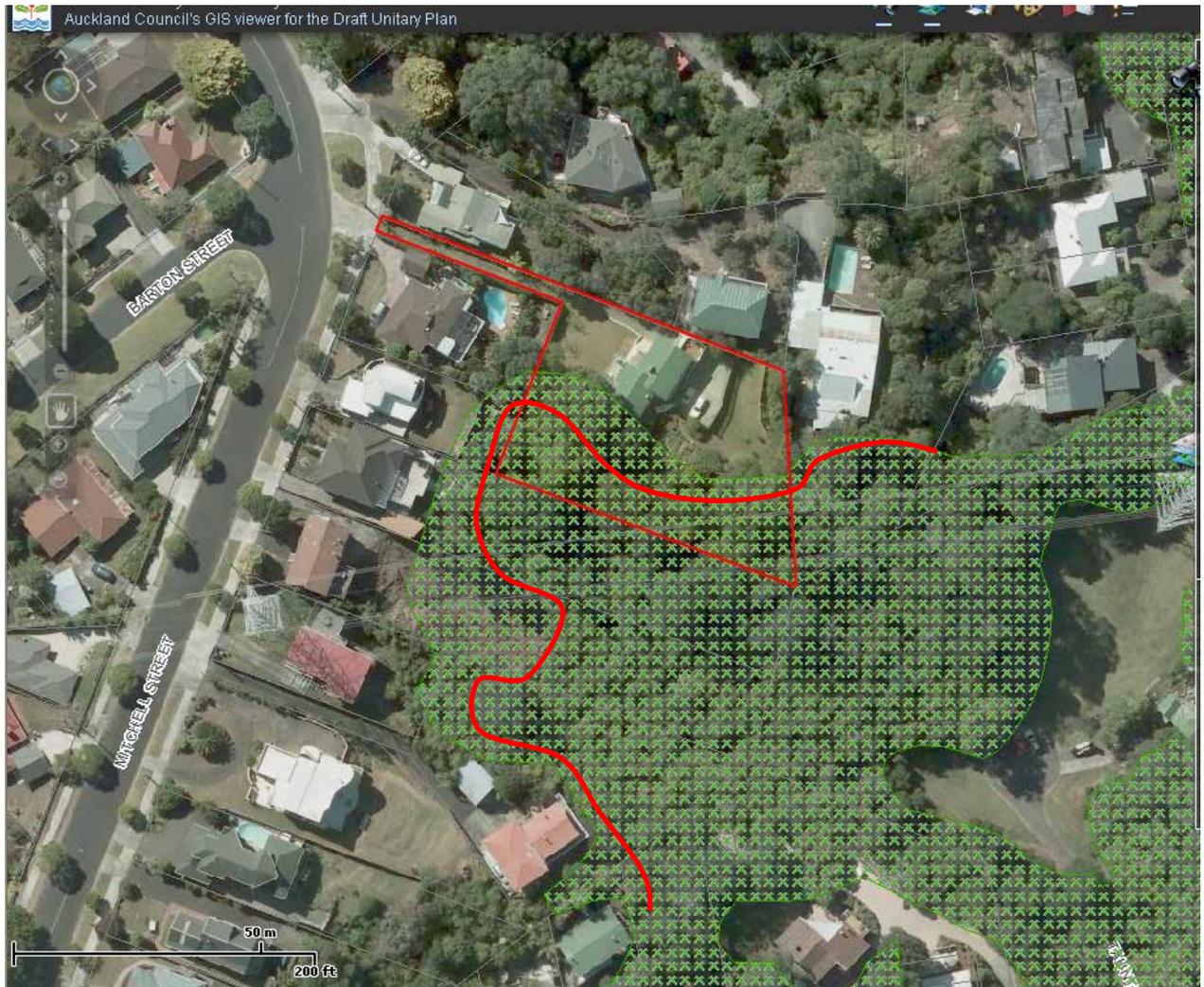
16 Spinnaker point, Manly, Whangaparoa 0930 (SEA) – SEA\_T 7014



23 Aicken Road, papakura



24 Mitchell Street, Blockhouse Bay SEA\_T 5339

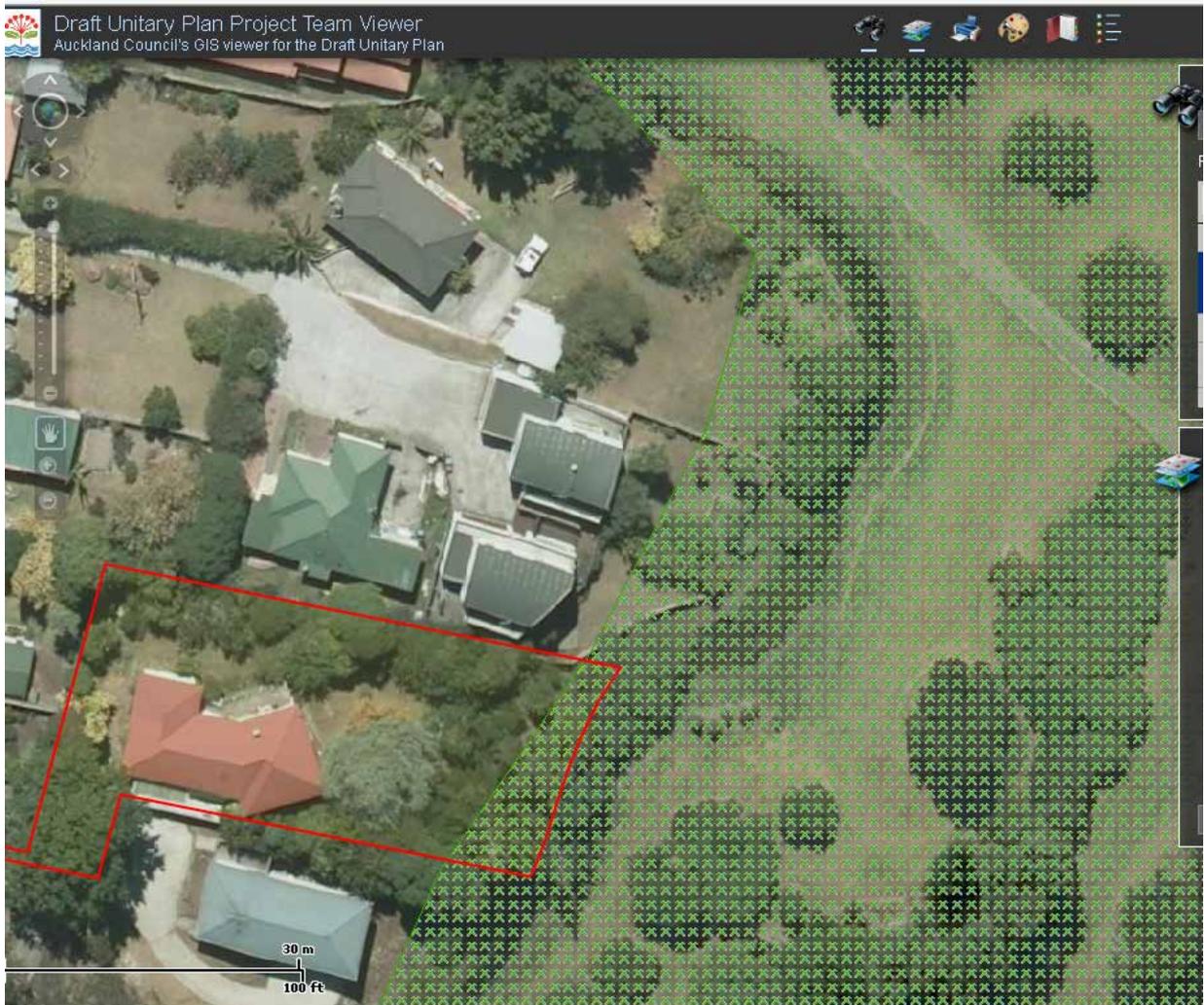


30A Davies Road, Drury. Damian Camp SEA\_T\_5346

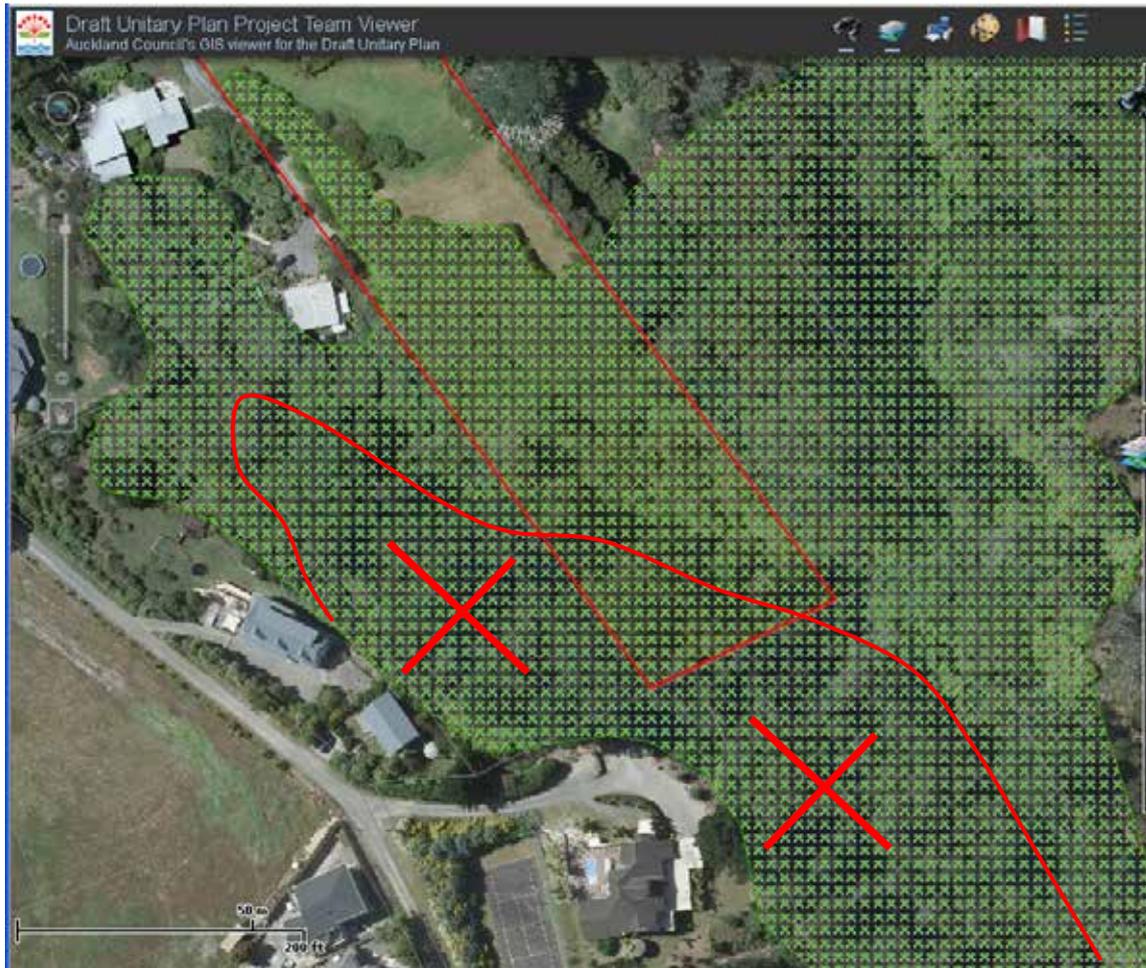


32a Bollard Avenue, Mt Albert SEA\_T 6097

And adjacent reserves – appear to be mapping errors around this reserve with grass fields and gardens covered by SEA.



39 Lonely Track Road, Fairview Heights SEA\_T\_8065

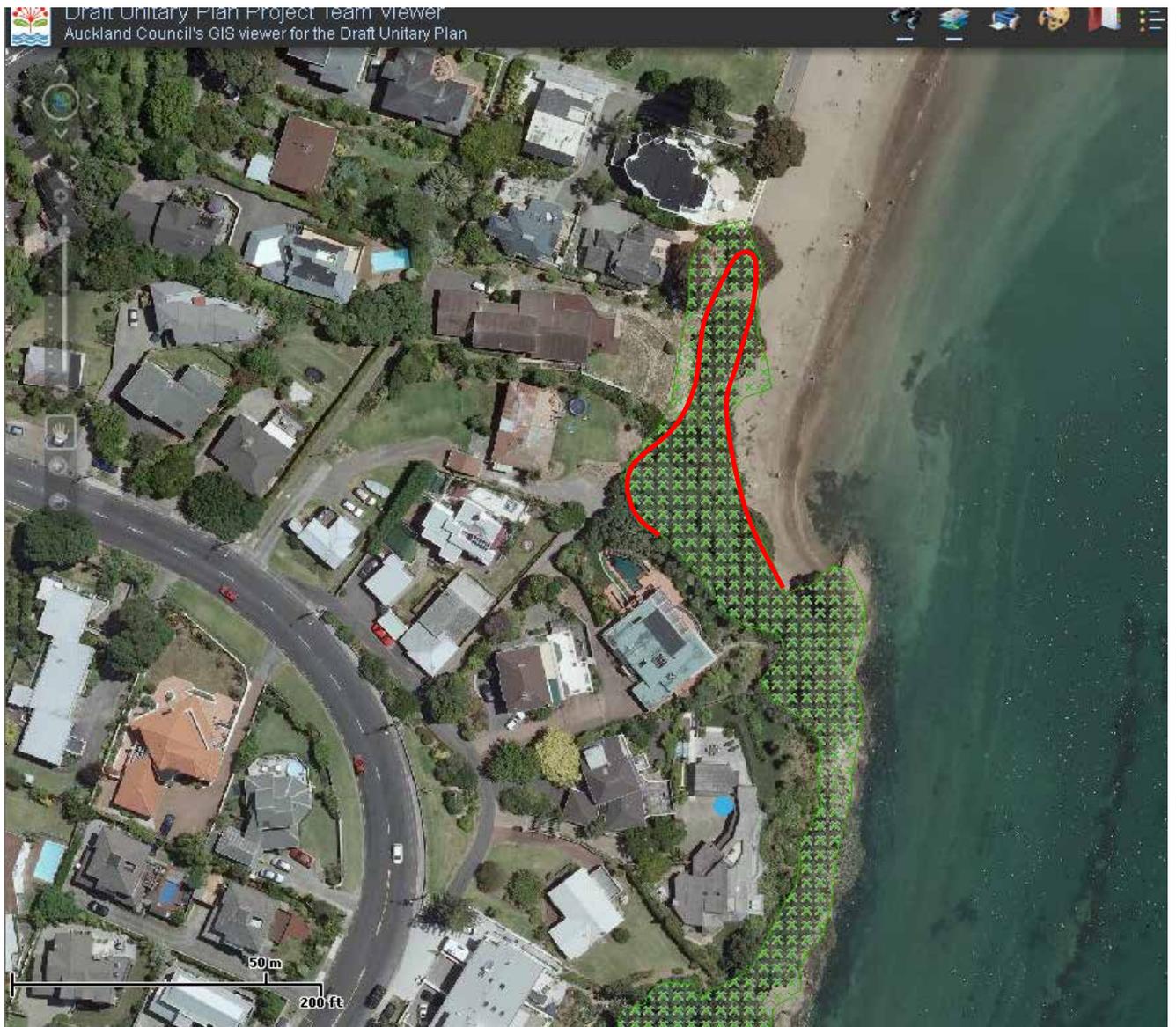


39 Rangatira Rd, Beach Haven – see red line below (additional to what Wildlands advised) All shaded are and red line area should be removed from SEA  
SEA\_T\_8039





53 Beach Road, Castor Bay



# ECOLOGICAL SURVEY

Rapid Assessment Datasheet

last updated 15/11/2011

<b>OFFICE USE ONLY</b>		<input type="checkbox"/> ecounits digitised	Issues:
<input type="checkbox"/> datasheet scanned	<input type="checkbox"/> data entered	<input type="checkbox"/> site boundary fixed	

SITE ADDRESS: <u>Annandale Road</u>		SITE ID: Area <u>2079</u>	
LANDOWNER NAME: <u>Grant Smith</u>		FIELD TEAM: <u>Jane Andrews</u>	
LANDOWNER KEEN TO PROTECT <input checked="" type="radio"/> Y / N / Don't know		<u>No GPS as no units in office!</u>	
LANDOWNER WANTS COPY OF RESULTS <input checked="" type="radio"/> Y / N / Don't know			
DAY: <u>24</u> MONTH: <u>04</u> YEAR: <u>2013</u>		GPS E: _____ N _____ +/- _____ m	
TYPE OF SURVEY: Vantage Point   <u>Walk Through</u>		Indicate below where GPS point was taken:	
LOCALITY: <u>Taupaki</u>		In Site (Tick) <i>Turn on GPS track log</i>	Edge (Tick)
TEMPERATURE: freezing   cold   cool   <u>mild</u>   warm   hot		WAYPOINT NAME:	
WIND: 0   1   2   3   Precipitation: none   <u>dripping foliage</u>   drizzle   light   moderate   heavy		Compass bearing _____ 0 <i>Record if surveying from vantage point</i>	
Temperature categories: freezing = <0°C, cold = 0-5°C, cool = 5-11°C, mild = 11-16°C, warm = 16-22°C, hot = >22°C		START TIME: <u>9:30</u> FINISH TIME: <u>11:00am</u>	
Wind categories: 0 = Leaves rustle or move without noise, 1 = Leaves rustle, 2 = Leaves and branchlets in constant motion, 3 = Branches or trees sway		SURVEY EFFORT (hrs x no. people): <u>1.5 x 1</u>	

**SITE DESCRIPTION:** Describe major habitat types, landform, geology, basic condition/threats where appropriate – 2-3 sentence max.

Landowner forced site and replanted stream edge  
Karuka forest on riparian margins, clay soils, historically a tauihi forest  
igniland associate species present

**VEGETATION DYNAMICS** - tick the category(ies) which occur in the site. Circle approx. proportion: 1 = 0-5%, 2 = 5-25%, 3 = 25-75%, 4 = 75-100%

Primary/ climax	tick	Secondary community (native)	tick	Mixed (native/exotic)	tick	Revegetation planting	tick	Exotic	tick	Don't know	tick
1 2 <u>3</u> 4	<input checked="" type="checkbox"/>	1 <u>2</u> 3 4	<input checked="" type="checkbox"/>	<u>1</u> 2 3 4	<input checked="" type="checkbox"/>	1 <u>2</u> 3 4	<input checked="" type="checkbox"/>	1 2 3 4	<input type="checkbox"/>	1 2 3 4	<input type="checkbox"/>

Add notes on history of site if known: Pond built by previous landowner

<p><b>EDGE CANOPY (approx first 5m)</b> Circle one &amp; mark aerial with edge area viewed if surveying from vantage point</p> <p>0. Not applicable or not assessed</p> <p>1. 75-100% dieback in canopy</p> <p>2. 50-75% dieback in canopy</p> <p>3. &lt;50% dieback in canopy</p> <p><u>4.</u> No canopy dieback</p>	<p><b>INTERIOR CANOPY</b> Circle one if able to access site</p> <p>0. Not applicable or not assessed</p> <p>1. Very sparse foliage, many large holes, dieback covers &gt;25%</p> <p><u>2.</u> Foliage sparse in some areas, canopy holes common.</p> <p>3. Foliage mostly dense, only occasional sparse areas. Canopy holes rare.</p> <p>4. Abundant dense foliage over whole canopy</p>	<p><b>NOTES</b></p> <p><u>Interior canopy-emergent karuka with low canopy karuka sparse in emergent layer in some areas</u></p>
<p><b>EDGE UNDERSTOREY (approx first 5m)</b> Circle one &amp; mark aerial with edge area viewed if surveying from vantage point</p> <p>0. Not applicable or not assessed</p> <p>1. Understorey completely absent</p> <p>2. Some (&lt;50%) understorey, occas. seedlings near edge of canopy</p> <p><u>3.</u> Considerable (50-75%) understorey, many seedlings &amp; saplings near edge of canopy</p> <p>4. Vigorous, abundant (&gt;75%) understorey extending outward from canopy edge</p>	<p><b>INTERIOR UNDERSTOREY</b> Circle one if able to access site</p> <p>0. Not applicable or not assessed</p> <p>1. Understorey completely bare of all species</p> <p>2. Scattered seedling &amp; sapling regeneration (&lt;25% cover)</p> <p>3. Moderate seedling &amp; sapling regeneration (25-75%)</p> <p><u>4.</u> Vigorous, abundant seedling &amp; sapling regen (&gt;75%)</p>	<p><b>NOTES</b></p>

WEEDS (record wetland weeds in section below)		SCORE:	NOTES: List major weed issues in order of abundance from most environmentally problematic for max. of 5 spp. per box below	
<b>0.</b> Not assessed <b>1.</b> Very common, cover >50% <b>2.</b> Common, 10-50% <b>3.</b> Occasional <10% <b>4.</b> None present	<b>EDGE (approx 5m)</b>	0 1 2 <b>3</b> 4	<b>EDGE:</b>	<b>INTERIOR:</b>
	<b>INTERIOR:</b>	0 1 2 <b>3</b> 4	1 <u>Arum lily</u> 2 <u>Pampas</u> 3 <u>Goose</u> 4 _____ 5 _____	1 <u>Woolly nightshade</u> 2 <u>Wattle</u> 3 <u>Kikuyu</u> 4 <u>Blackberry</u> 5 <u>Goose</u>

WETLAND WEEDS		SCORE:	NOTES: List major weed issues in order of abundance from most environmentally problematic for max. of 5 spp. per box below		
<b>0.</b> Not applicable or not assessed <b>1.</b> > ½ species are exotic <b>2.</b> ½ plant species are exotic <b>3.</b> Many exotic (>5) and/or invasive >3 but natives dominant <b>4.</b> Some exotics (<=5) with <3 invasive spp, but natives dominant <b>5.</b> A few (2-3) non-invasive exotic spp. <b>6.</b> No live exotics plants (disregard <i>Juncus effusus</i> )	<b>BUFFER (approx 5m)</b>	0 1 2 3 4 5 6	<b>BUFFER:</b>	<b>INTERIOR UNDERSTOREY:</b>	<b>INTERIOR CANOPY:</b>
	<b>INTERIOR UNDERSTOREY</b>	0 1 2 3 4 5 6	1 _____ 2 _____ 3 _____ 4 _____ 5 _____	1 _____ 2 _____ 3 _____ 4 _____ 5 _____	1 _____ 2 _____ 3 _____ 4 _____ 5 _____
	<b>INTERIOR CANOPY</b>	0 1 2 3 4 5 6			

ANIMAL PESTS:	IMPACT	NOTES:
Assessed (Yes/No)		
1)	0 1 2 3 <b>4</b>	Species 1 <u>Rabbit seen</u>
2)	0 1 2 3 4	Species 2 _____
3)	0 1 2 3 4	Species 3 _____
4)	0 1 2 3 4	Species 4 _____
5)	0 1 2 3 4	Species 5 _____
6) Unable to determine	0 1 2 3 4	Species 6 _____

IMPACT: 0. Not assessed 1. Major impact 2. Moderate impact 3. Minor impact 4. No impact

FENCING AROUND SITE	STOCK ACCESS
Circle one & mark aerial with area viewed if surveying from vantage point	Circle one & mark aerial with area viewed if surveying from vantage point
<b>0.</b> Not assessed <b>1.</b> No fencing <b>2.</b> Some fencing but mostly incomplete <b>3.</b> Most of boundary fenced but some areas with potential for stock access <b>4.</b> Secure, intact fencing around entire area	<b>0.</b> Not assessed <b>1.</b> Abundant fresh sign (droppings, major tracks, hoof prints) or stock heard/seen throughout area <b>2.</b> Common fresh sign, sometimes scattered or occasional stock heard/seen <b>3.</b> Sign uncommon or old. No stock heard/seen. <b>4.</b> No sign

Notes (fence condition, stock species):

Record SITE ID code again to ensure survey sheets can be re-combined if pages become separated

SITE ID: Area

**FLORA OF NOTE** – record threatened species and/or unusual plant communities/composition

Mark approx. location on aerial & with GPS – record waypoint names below. Also note if site contains particularly high plant species diversity.

Species	Notes	Flora waypoint names:	Photo taken
1		_____	Y/N
2		_____	Y/N
3		_____	Y/N
4		_____	Y/N
5		_____	Y/N

**FAUNA OF NOTE** – record threatened species and other special fauna features in box below. Mark approx. location on aerial & with GPS – record waypoint names below. Also note if site contains particularly high fauna species diversity.

Species	Notes	Fauna waypoint names:	Photo taken
1		_____	Y/N
2		_____	Y/N
3		_____	Y/N
4		_____	Y/N
5		_____	Y/N

**POTENTIAL FLORA/FAUNA AT SITE**

Species	Notes
1 Gecko	Tall karuka - suitable habitat for green gecko
2 Koura	Stream runs along southern boundary of site - clear, riffly & stony stream, with established riparian vegetation
3 Eel	
4 Freshwater fish	Likely to support freshwater fauna
5	

**FURTHER SURVEY AND MONITORING RECOMMENDED:** Provide a short reason why

Freshwater survey, green gecko - see above

**Y/N**  
(Circle)

**ADDITIONAL NOTES:** (any additional species should be added to the species list section)

D Tanglefern, Pom kum, Sch tern all abundant in the interior of the site. There is a grassed path that runs through the middle of the site & there is potential for sun orchids to be present along the edges of this.

**Do the site boundaries need to be changed?**

Delineate on map (if possible) and explain why

**No / Expand / Reduce**

Exclude from neighbouring property (see original map) and exclude pond

(circle)

Ecounit polygon ID*	Ecological Unit	Structural class**	Atkinson vegetation description (if vegetated)	Hydrology			Waypoint name (it is optional to take a waypoint & photo)
				Hydrosystem: T = terrestrial, P = palustrine, L = lacustrine, R = riverine, E = estuarine	Sub-system: n/a, P = permanent, I = intermittent, E = ephemeral	Wetland class:	
A	F17	Forest	Tiers delineated by forward slash (/) Record up to 5 spp in same tier linked by hyphen Abundance symbology: [1-9%], (10-19%), 20-50%, >50%	T   P   L   I R   E	n/a P   I   E	n/a marsh   swamp   fen bog   flush   seepage pakihī/gumland riparian	Photo Y/N
B				T   P   L   I R   E	n/a P   I   E	n/a marsh   swamp   fen bog   flush   seepage pakihī/gumland riparian	Photo Y/N
C	F11	Forest		T   P   L   I R   E	n/a P   I   E	n/a marsh   swamp   fen bog   flush   seepage pakihī/gumland riparian	Photo Y/N
D				T   P   L   I R   E	n/a P   I   E	n/a marsh   swamp   fen bog   flush   seepage pakihī/gumland riparian	Photo Y/N
E				T   P   L   I R   E	n/a P   I   E	n/a marsh   swamp   fen bog   flush   seepage pakihī/gumland riparian	Photo Y/N

\*Draw polygons on aerial photo and label them with appropriate eco unit letter

Ecological Unit Codes Circle ecological units found within site but not recorded in detail above:

WF5 | WF6 | WF8 | WF9 | WF10 | WF11 | WF12 | WF13 | WF14 | MF2 | MF4 | MF22 | WL1 | WL2 | WL3 | WL10 | WL11 | WL15 | WL18 | WL19 | WL20 | DN2 | DN5 | CL1 | CL6 | CL9 | SA1 | SA4 | SA5 | SA7 | GT2 | CV1 | F11 | F12 | F14 | TL | EF | ES | EW | PL

\*\*Structural classes:

Vegetated: forest, treeland, scrub, shrubland, flaxland, fernland, reedland, rushland, sedgeland, floating herbfield, grassland, cushionfield, herbfield, turf, mossfield, lichenfield, algalfield  
Non vegetated: waterbody, rockland, boulderfield, stonelfield, sandfield, siltfield, clayfield, loamfield, peatfield, driftwood, bacteriatafield, shellbeds, salt crust, mudfield

At completion of survey: check waypoint names are completed, eco-units are marked on aerial, & track log is turned off.



This mapplan is illustrative only and all information should be independently verified on site before taking any action. The Council is not responsible for any information from LITZ (Landscape Information Technology) while due care has been taken, Auckland Council gives no warranty as to the accuracy and completeness of any information on this mapplan and accepts no liability for any error, omission or use of the information. High Station Auckland 1945.

Atkinson 2

Area 2079 Annandale Road

Approx location of Atkinson 1

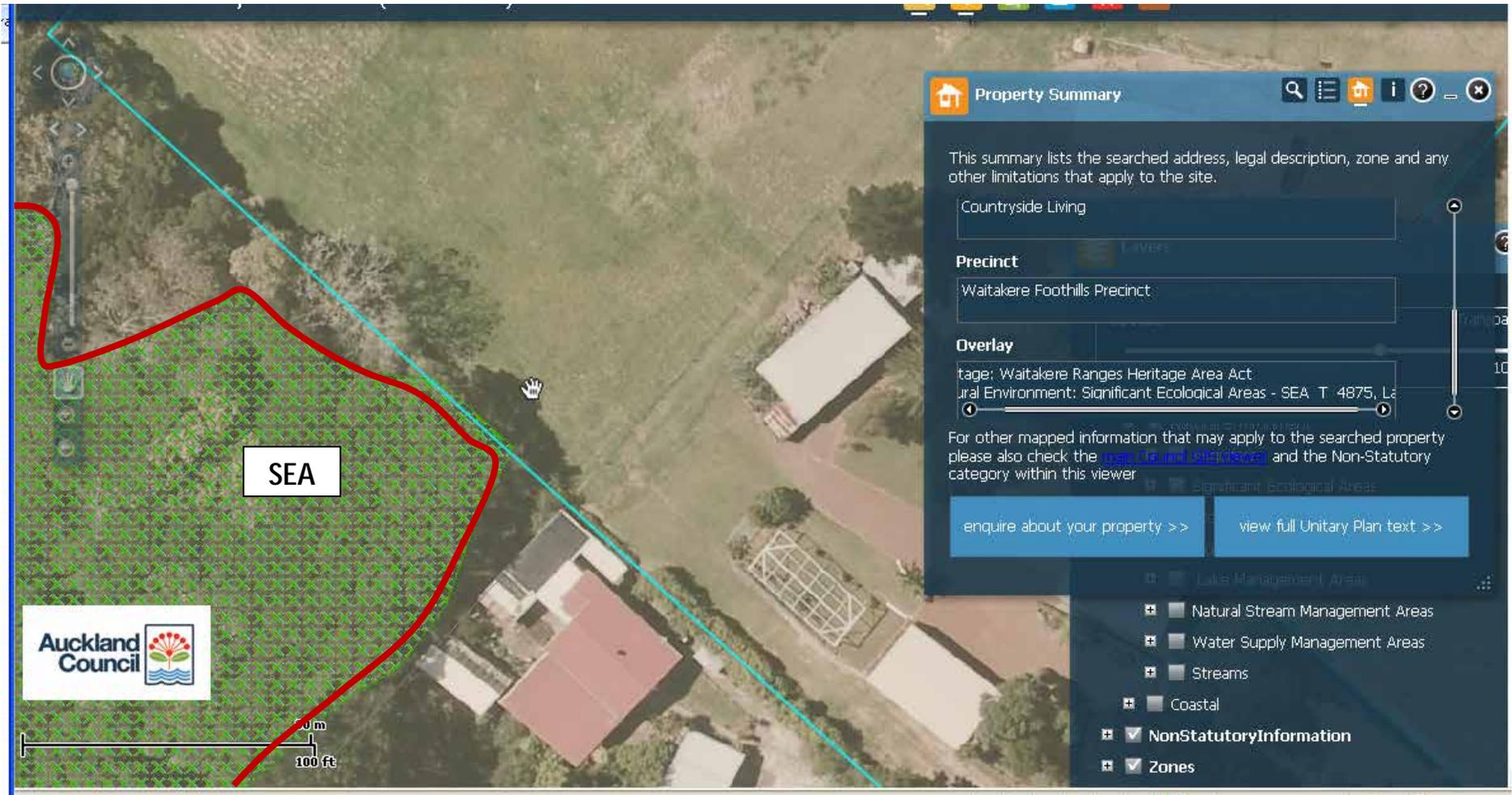
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Scale @ A3 1:2500

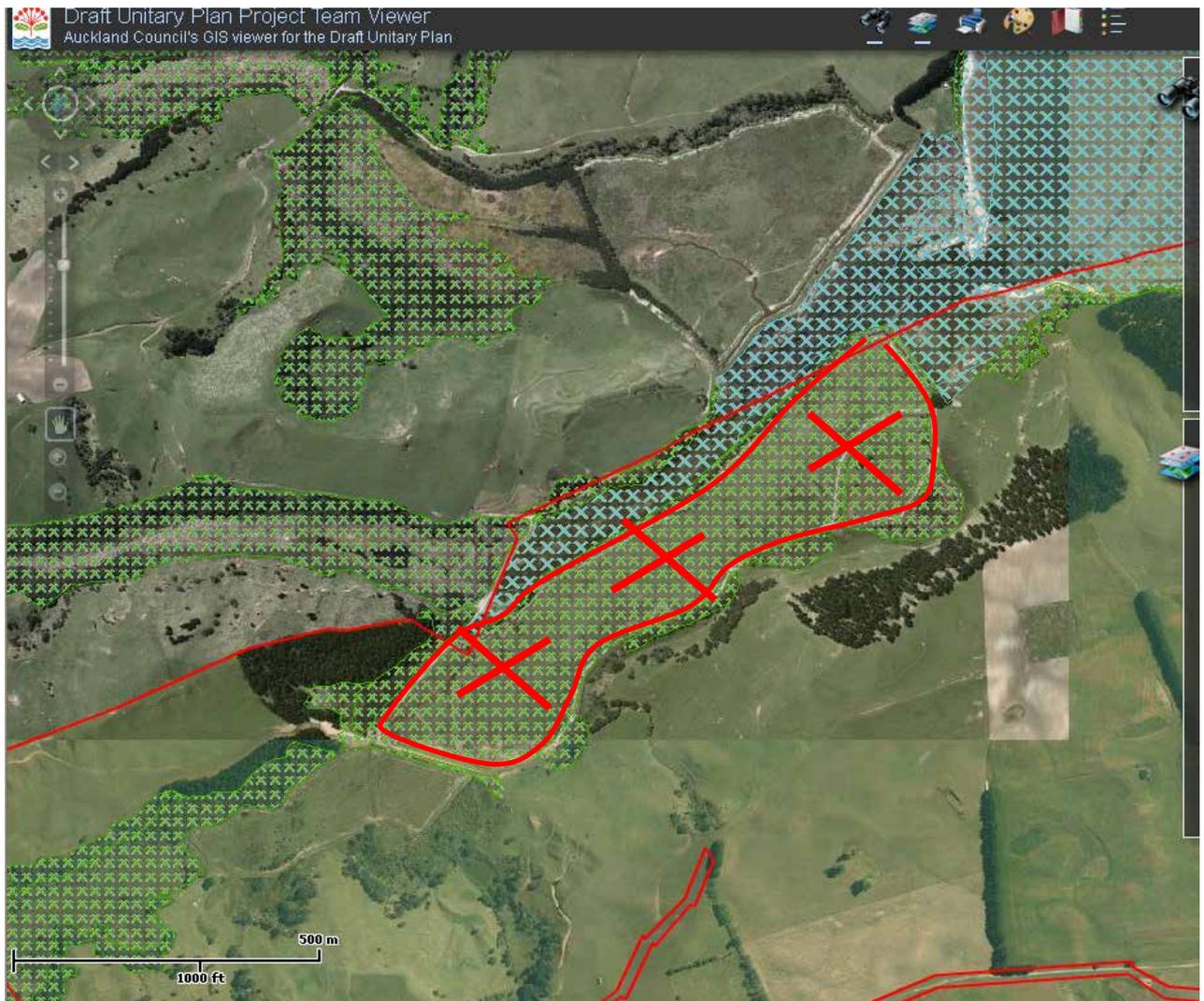




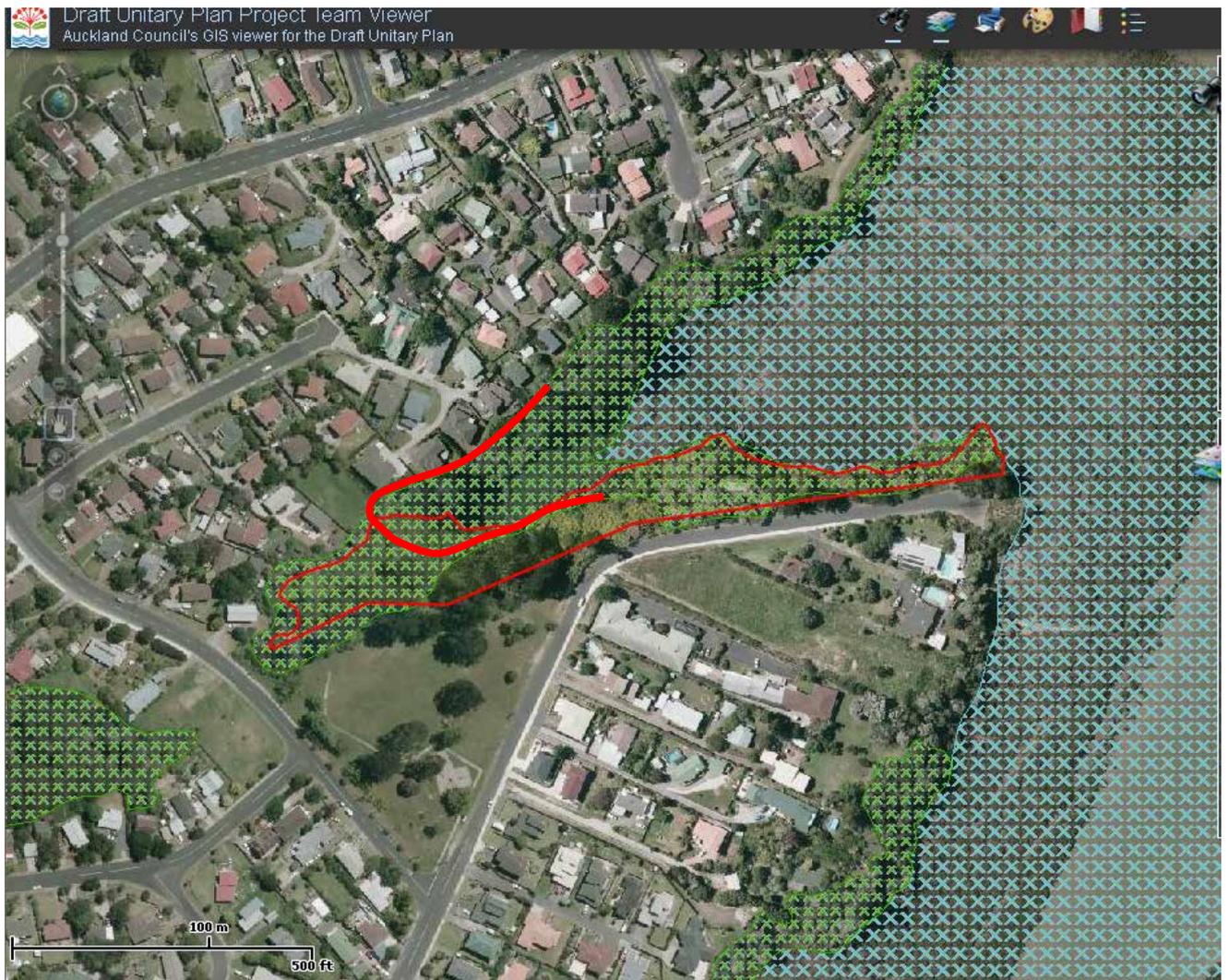
107 Forest Hill Road, HENDERSON – mapping correction (red line shows new boundary for SEA 4875)



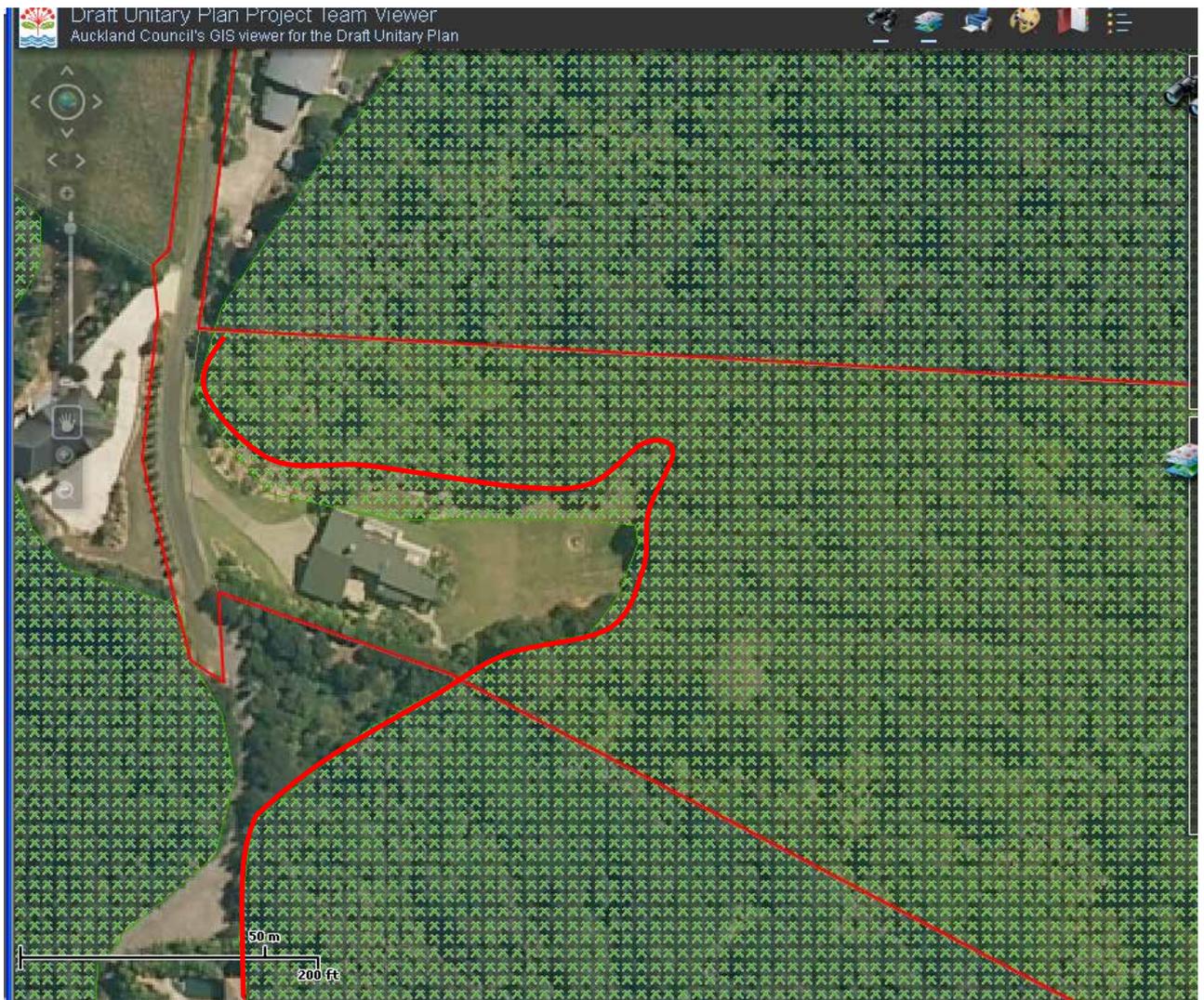
174 Higham Road, South Head – remove area below



192 Colwill Road, Massey. Dominic McCarthy SEA\_T 2037



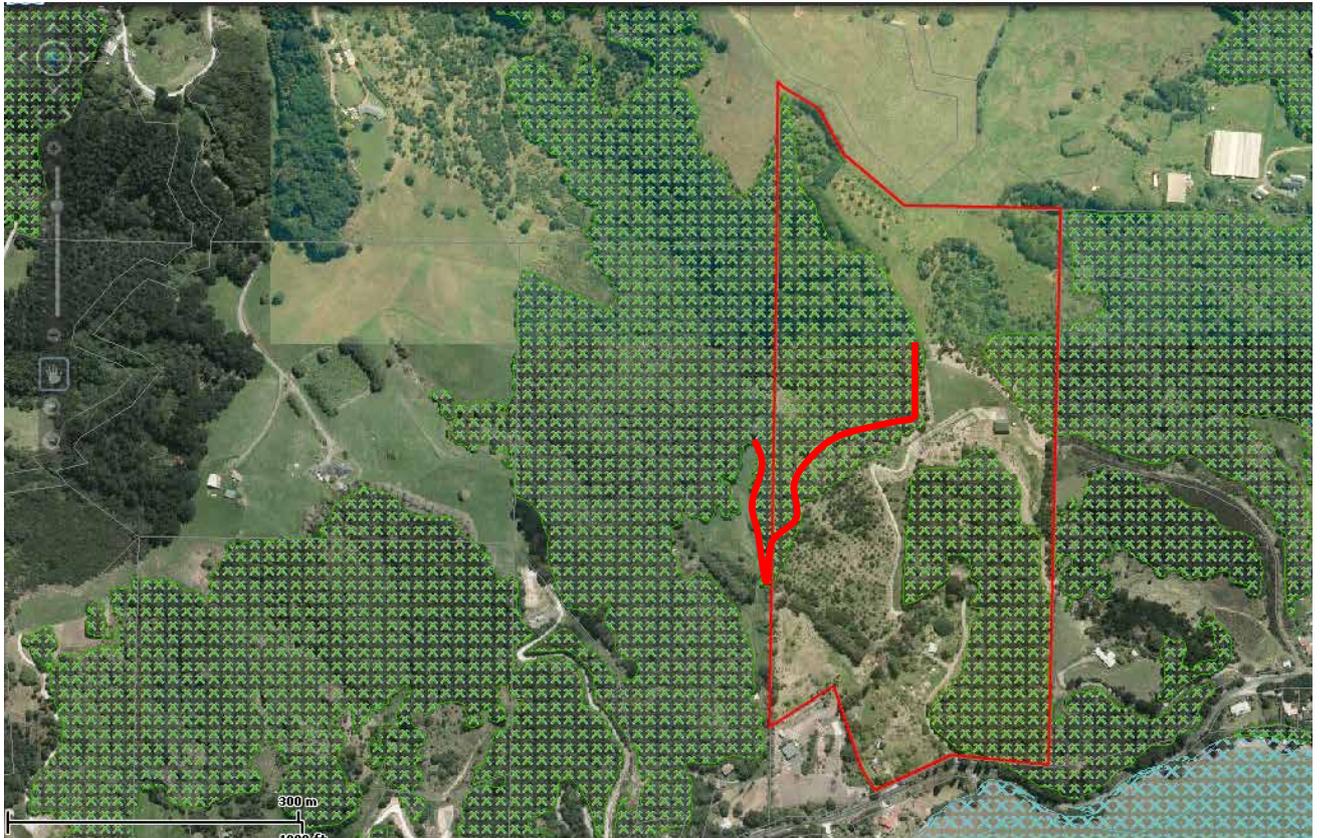
207 Windmill Drive, Silverdale SEA\_T 6453



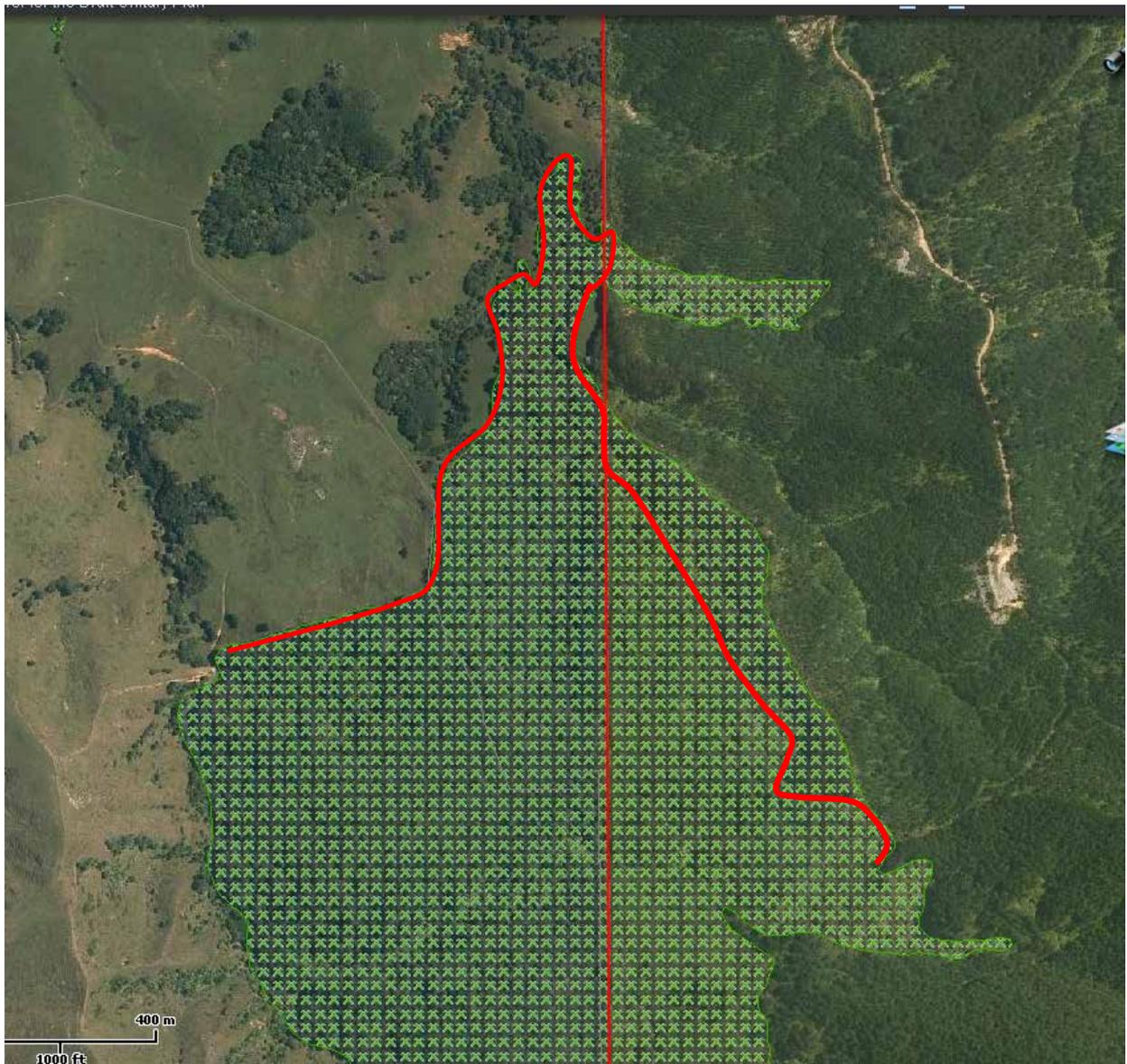
247-261 Hepburn Road, Glendene. SEA\_T 4913



464 Leigh Road, Tramcar Bay SEA\_Ts 671, 774 & 701

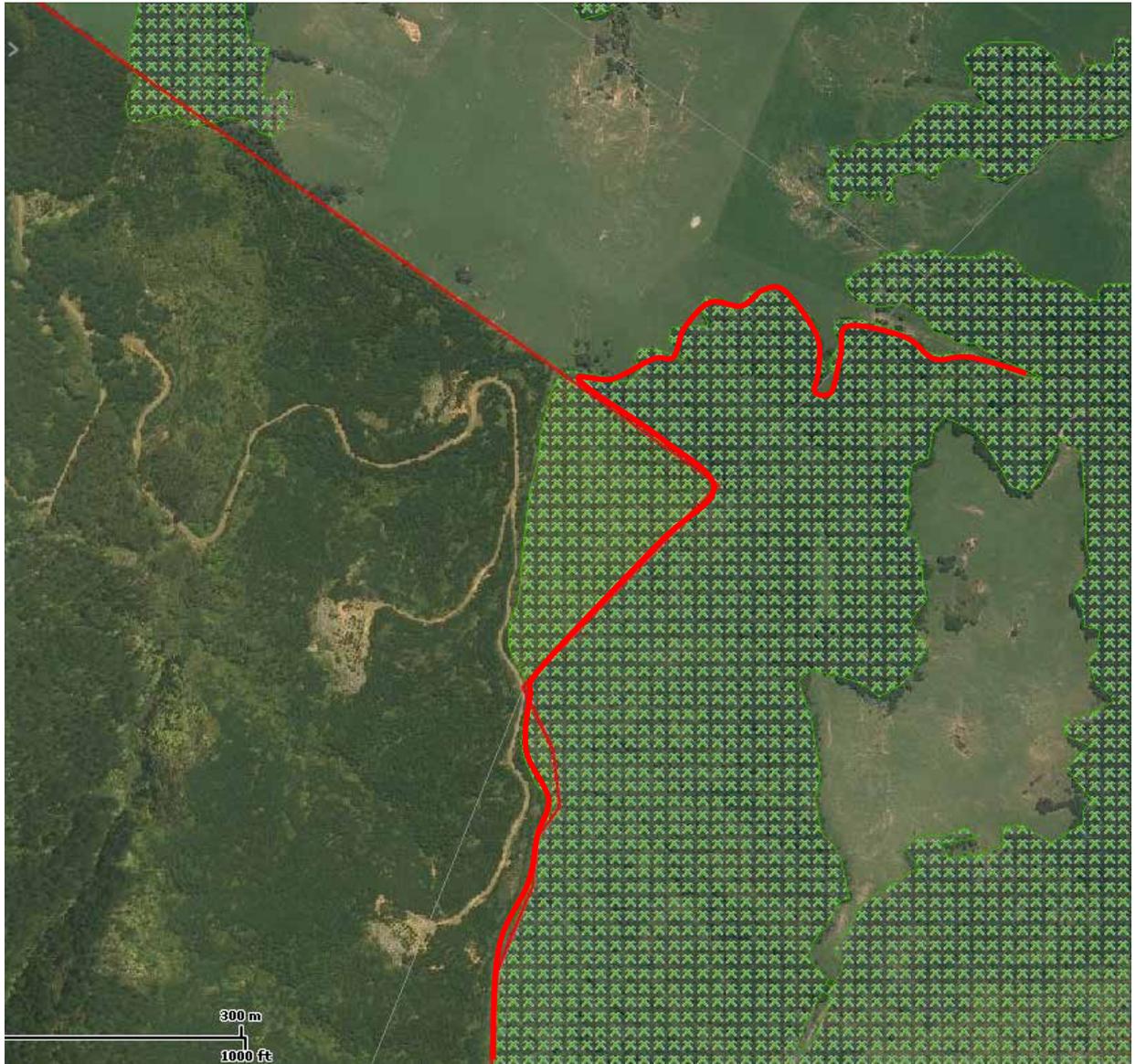


521 Kawakawa – Orere Road, Clevedon SEA change (5 maps below)



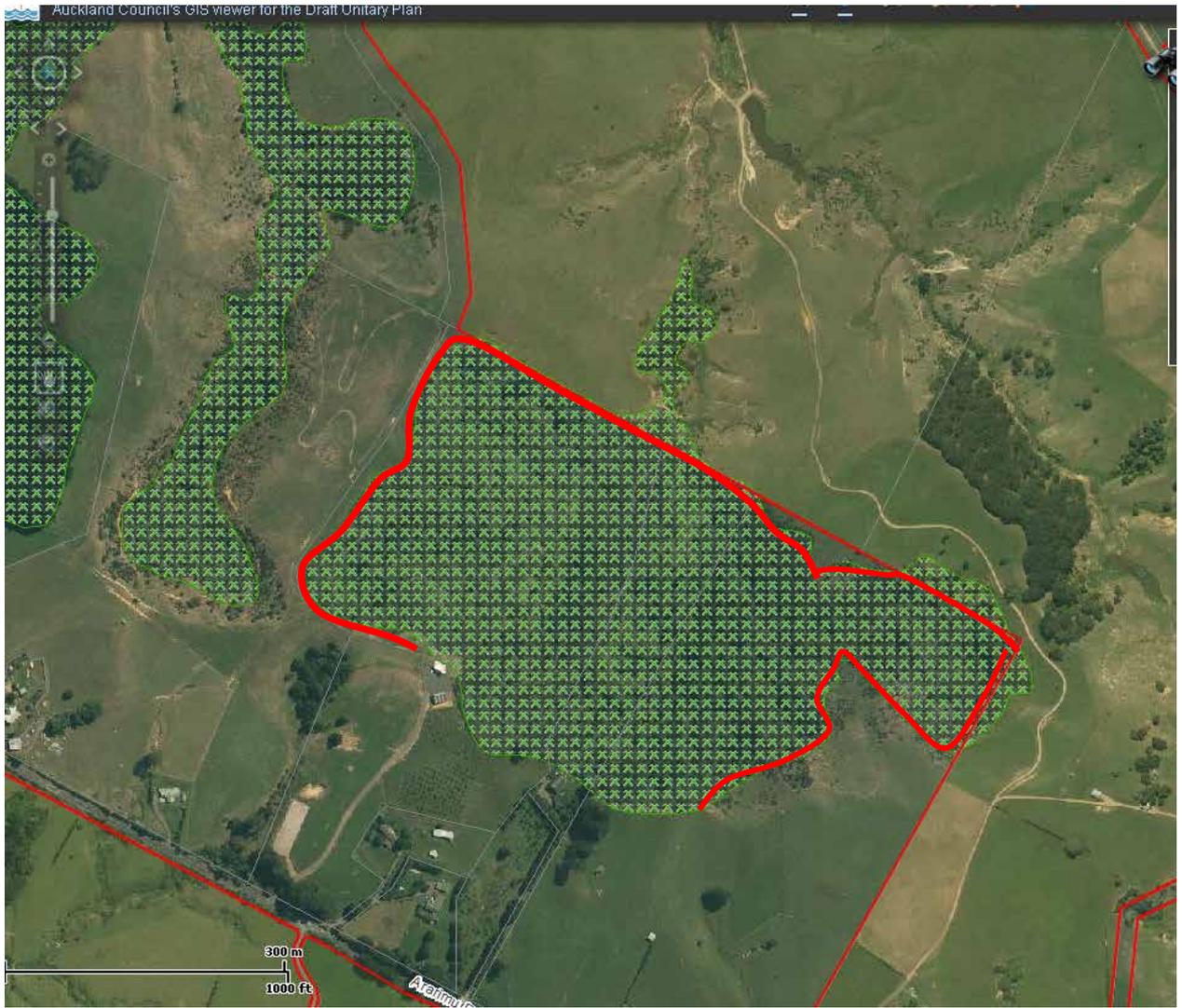








1304B Ararimu Road – SEA change



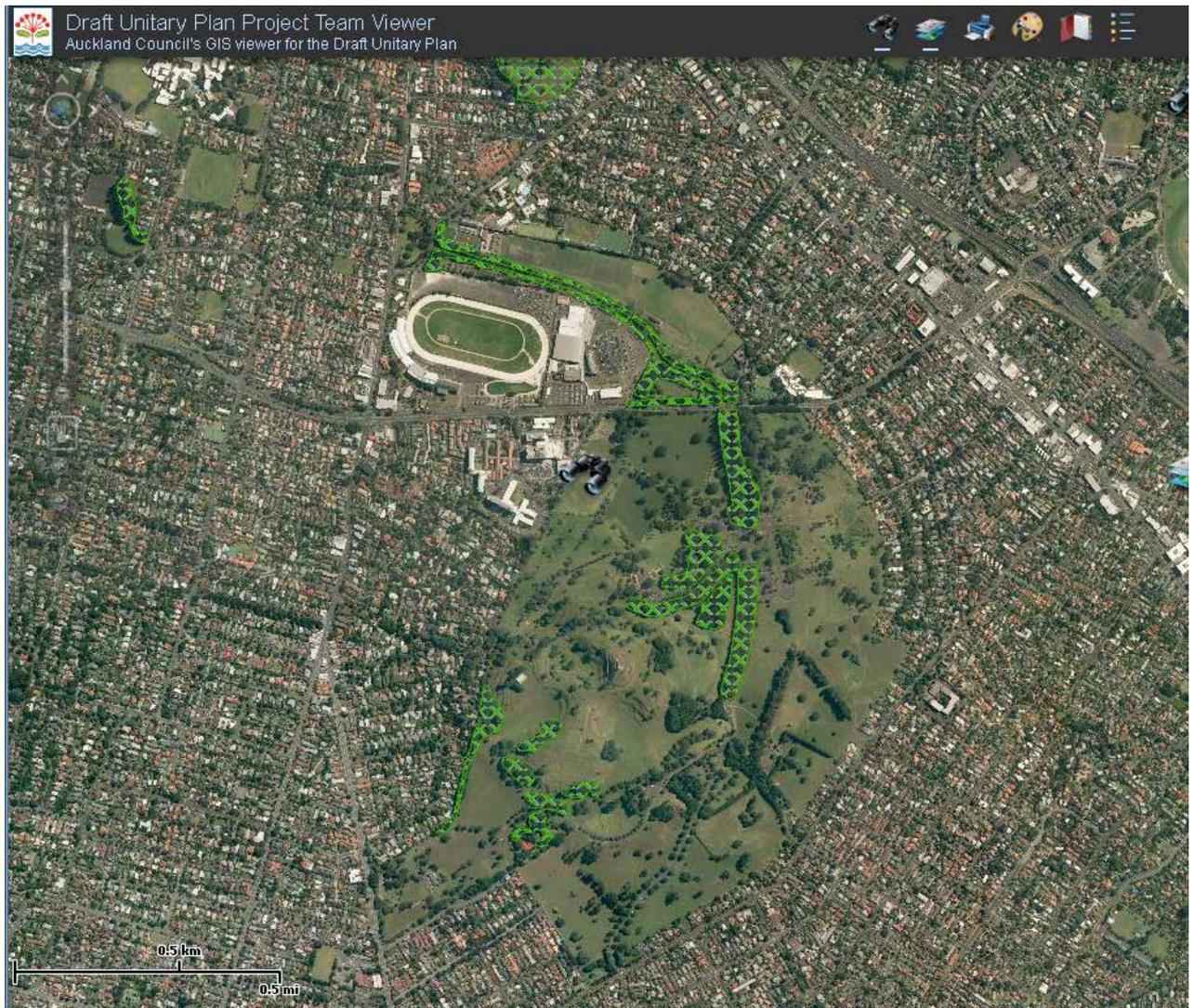
3094-3096 Great North Road SEA\_T 4711



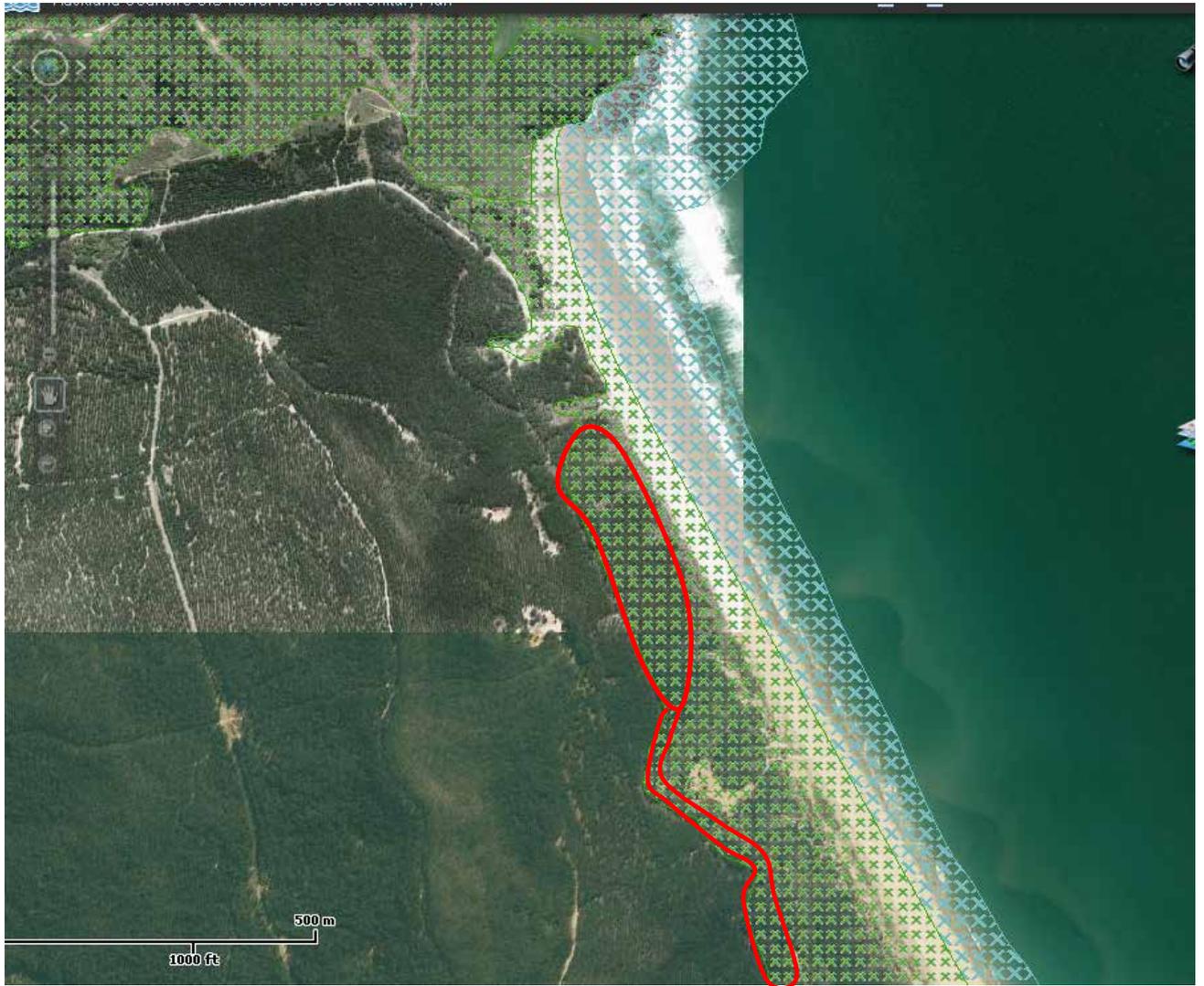
Buckley Avenue and Cochrane Road, Hobsonville – SEA boundary correction needed



# Cornwall Park

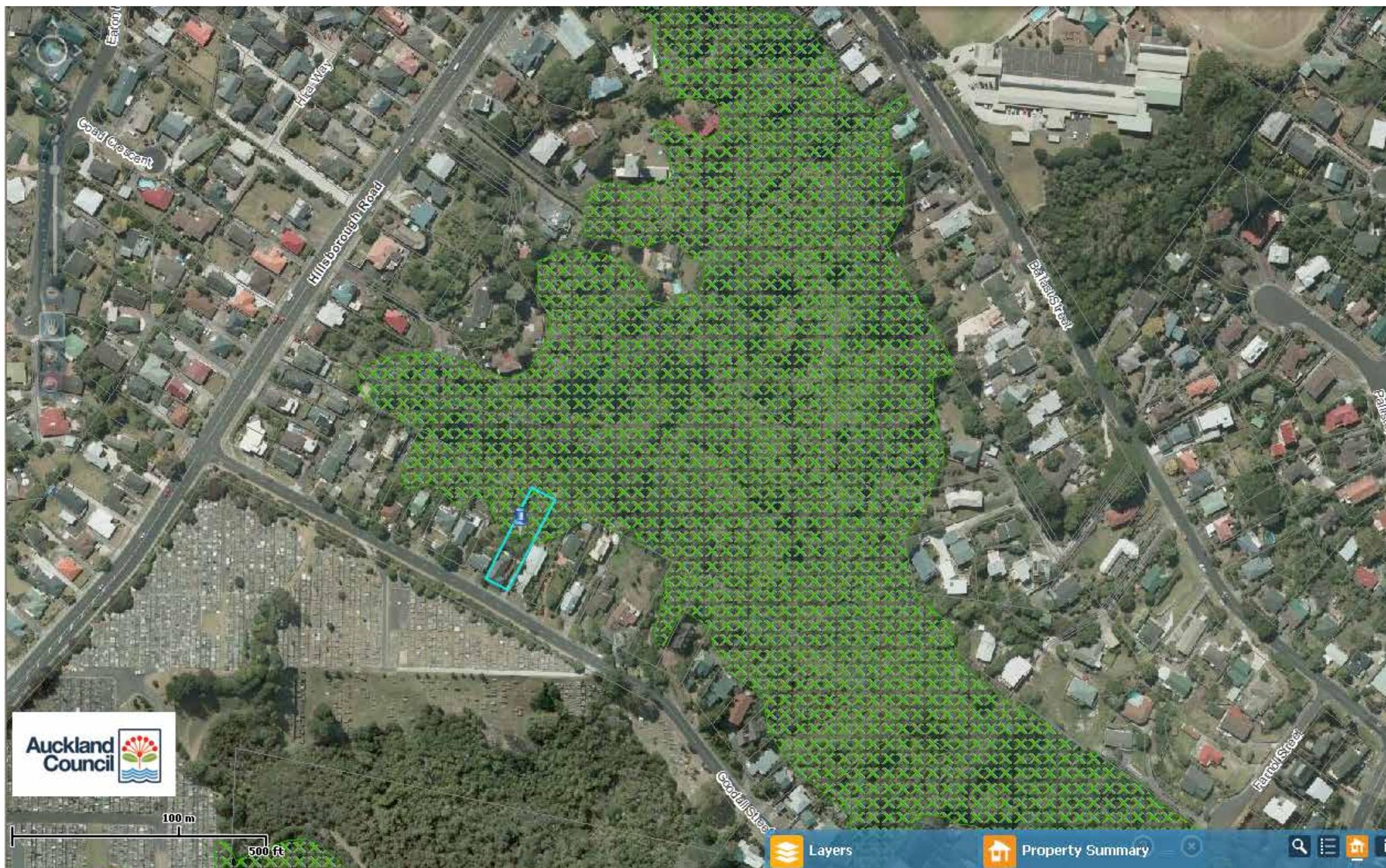


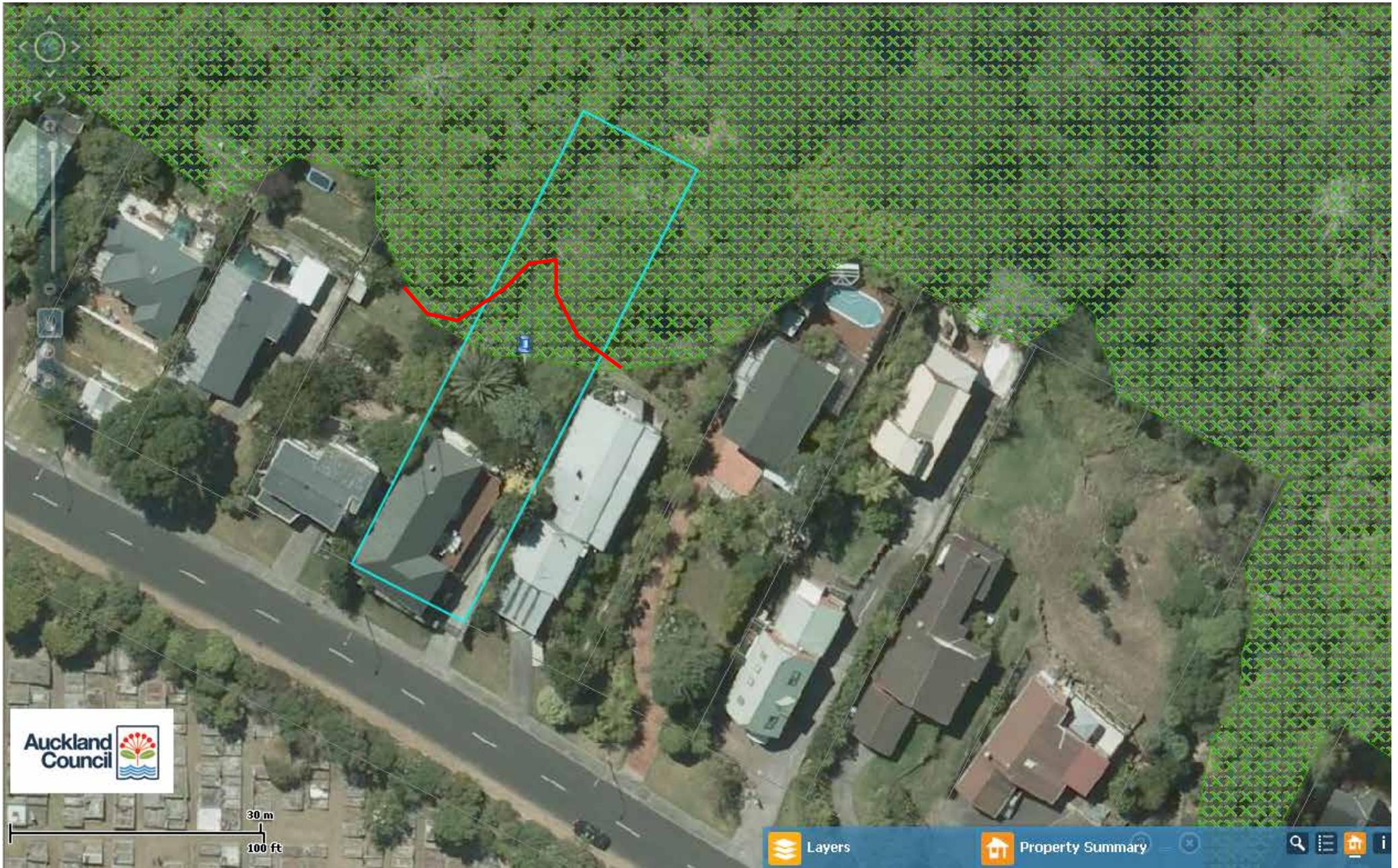
Dunes south of Te Arai Regional Park – plantation forest is shown by red line



20 Goodall Street Hillsborough 1024 – SEA\_T\_5337

Remove SEA - criteria not met. SEA is unwarranted and not applicable to the sections in our area





Auckland Council



30 m  
100 ft

Layers

Property Summary





Auckland Council



30 m

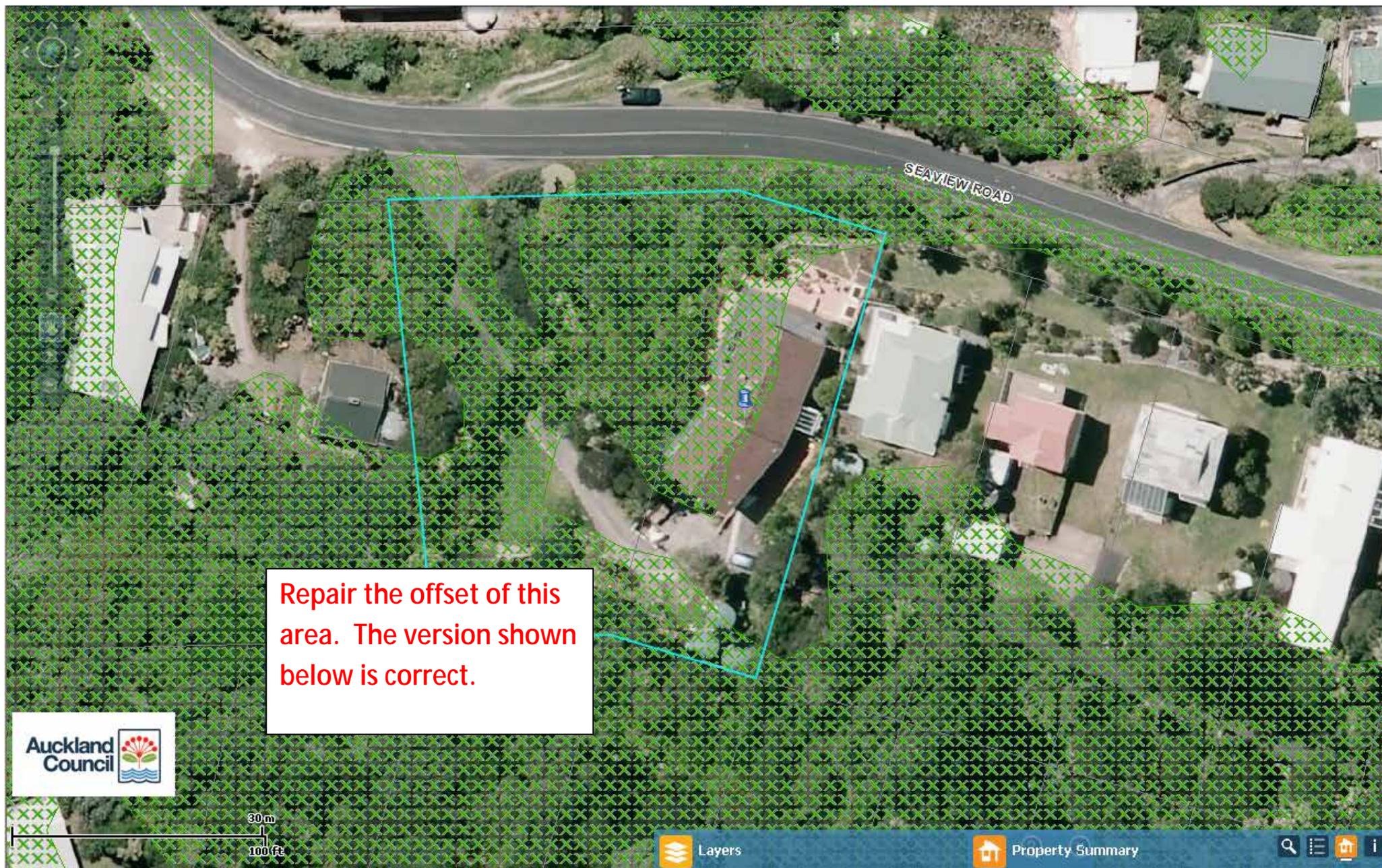
100 ft

Layers

Property Sun



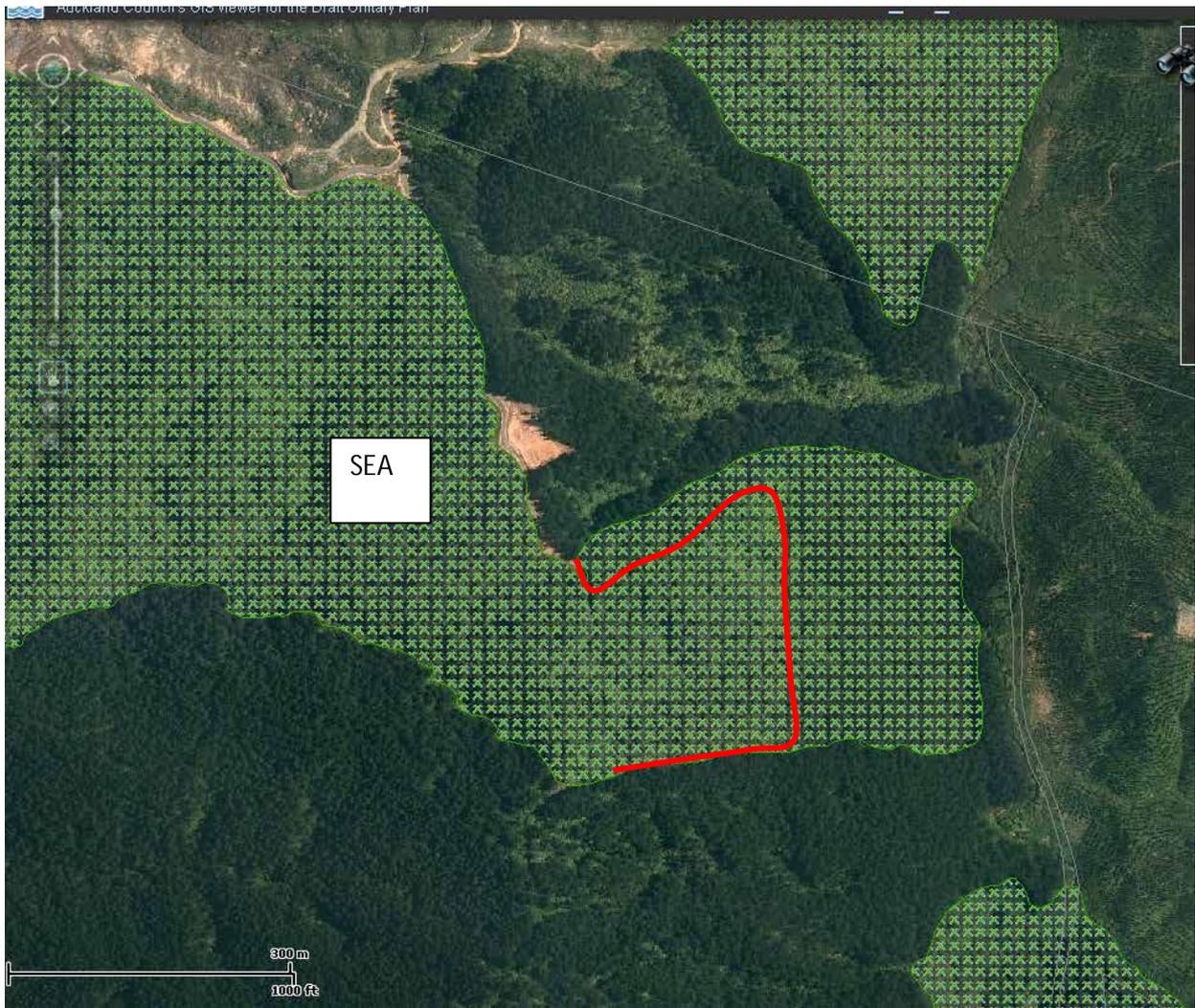


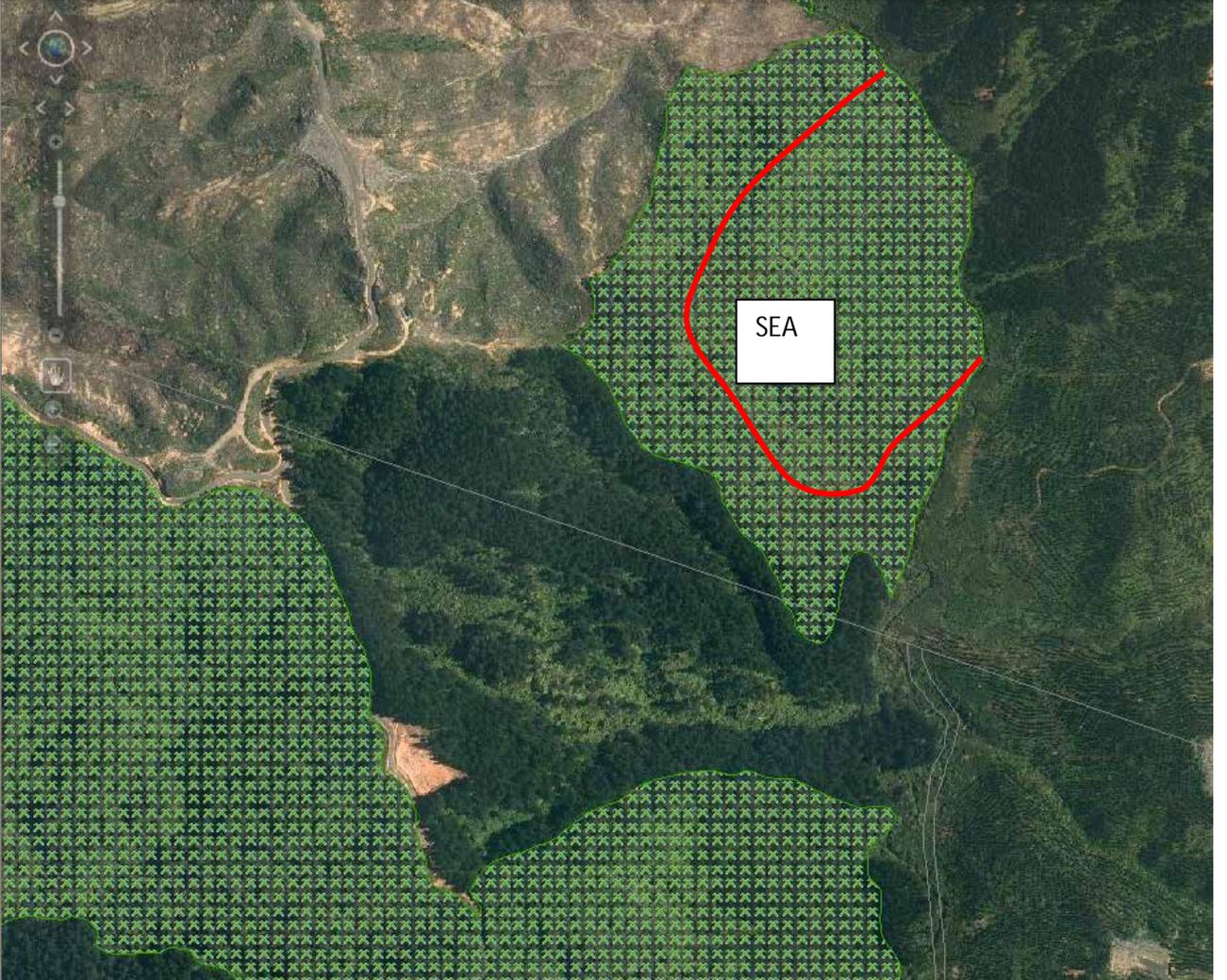


Repair the offset of this area. The version shown below is correct.





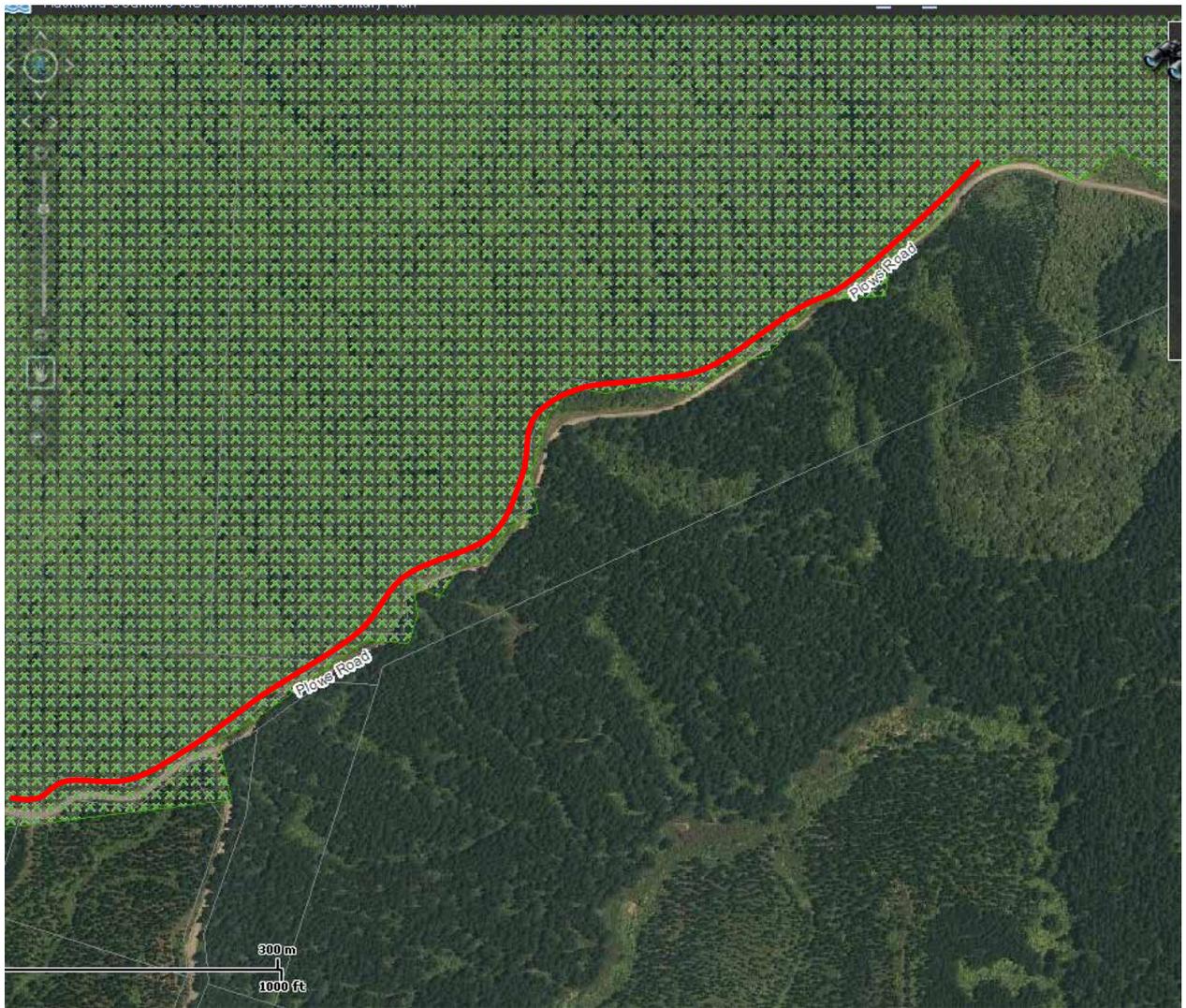




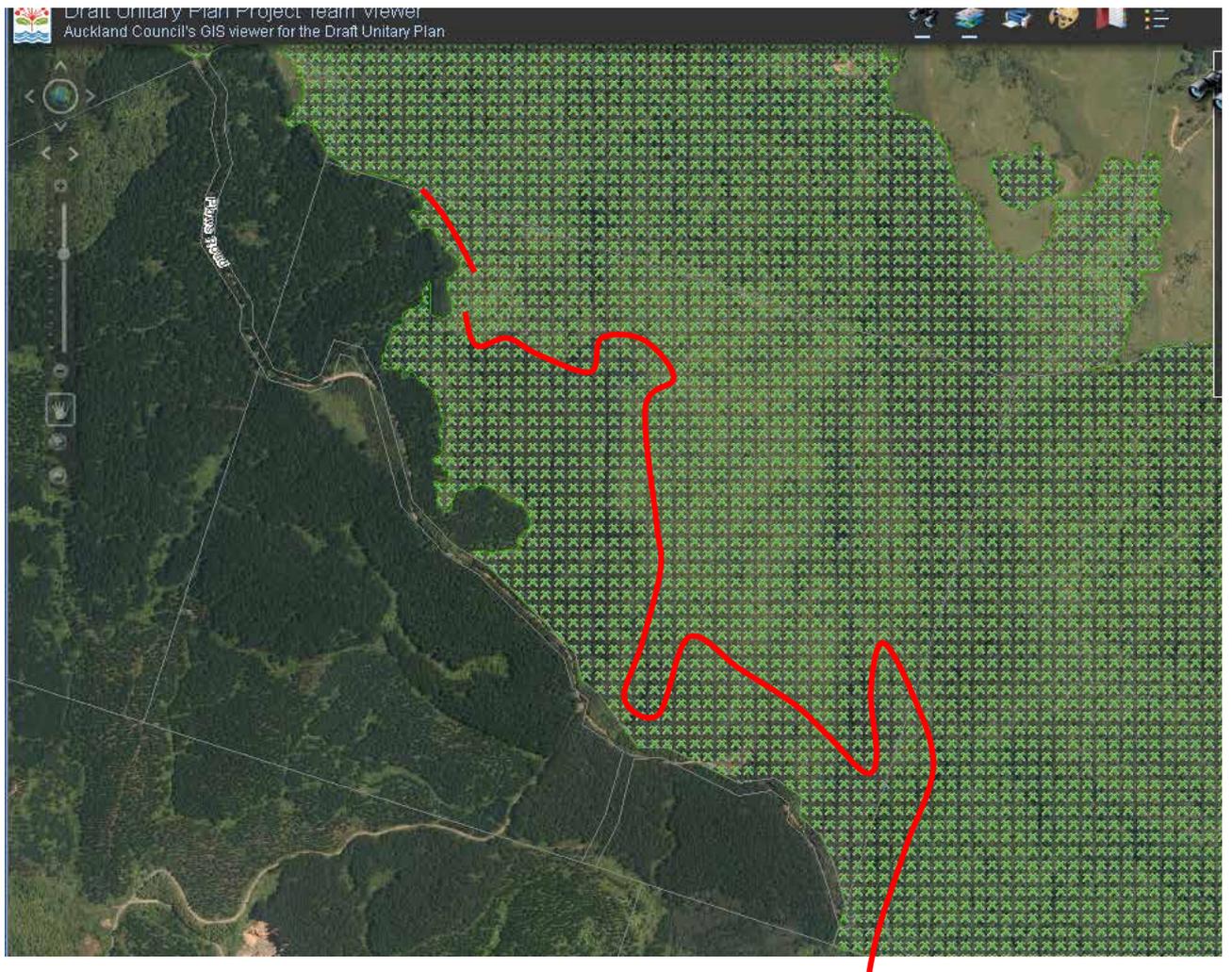
# Firth Road, Hunua SEA 5588



Hunua – Plows road SEA 5588



Hunua forest SEA 1 (plows road) SEA 5588



# Hunua Forest SEA 2 (plows road) SEA 5588

