

Land Clearing Project

***Waratah Harvesting Head
assisted tree felling***

In Partnership With Vector

Background

After the extensive tree damage and power outages during the storm in April 2018, a large volume of problem trees in close proximity to the 11KV lines needed to be removed.



45 Te Aute Ridge Rd, Bethells Beach, Auckland

Two months of planning and the latest technology allowed the project to run smoothly.

Technology used

The Waratah Harvester Head attachment for the excavator
Why use?

Speed

The lines only needed to be dropped for two days, compared to an estimated 5 days if manual tree cutters were used.

This minimised the disruption caused to the community by the power outage.



Technology used

The Waratah Harvester Head attachment for the excavator
Why use?

Safety

The entire felling operation was carried out by an operator inside the protection of the excavator cab.

No need to put a manual cutter in harm's way during the removal of very tall and potentially hazardous trees.



Technology used

The Waratah Harvester Head attachment for the excavator
Why use?



Efficiency

The efficiency gained by using the Waratah Head minimised the cost of the operation.

Technology used

Phantom 4 Pro Drone. Why use?



Safety & Efficiency

- Enables close up footage of climbers and operators.
- Hazardous trees and locations can be carefully assessed and inspected before accessing with operators.
- Site inspections can be carried out to determine the need/volume of resources required prior to entering the site.

General view of the site. Photo taken with Phantom 4 Pro Drone

[Watch the video >>](#)



Thank you



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