

## Ngā tūtohu taiao māori

## Natural environment indicators

1 December 2020

Indicator	Source	Frequency of reporting	Current direction
Carbon sequestered by trees/vegetation, soils and marine ecosystems	Sequestration by harvested wood measured nationally (MfE / Stats NZ Environmental Economic Account)  Regional sequestration not currently monitored – working towards inclusion in Auckland's GHG Inventory	Annual	Overall increase in carbon pool in forests nationally.
State and quality of locally, regionally and nationally significant environments	Auckland Plan 2050, but composite measure under development	Annual snapshot / 3-yearly progress report	Recorded as no significant change but measure still under development.
Tree canopy cover, regionally and by local board area	RIMU state and change analysis (LiDAR data)	3 – 5 years	Static
Marine and freshwater quality indicators (e.g. nutrients, sediment, temperature)	State of the Environment Report	5 years	2015 report showed overall decline in freshwater quality and stable but low marine water quality.  New report due 2020.
Air quality indicators	State of the Environment Report	5 years	2015 report showed declining trends in benzene, particulate matter, and nitrogen dioxide (air quality improving).  New report due 2020.

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Soil health indicators (e.g. nutrient levels)	State of the Environment Report	5 years	2015 report showed increasing fertiliser and soil compaction (declining soil quality) but insignificant change in soil pollution.  New report due 2020.
Number of approved developments that incorporate hua rākau, hua whenua, native trees and green spaces	To be developed	-	Unknown
Extent of terrestrial, freshwater and marine environments formally (as a percentage of total area)	Statistics NZ / MfE Environmental Indicators  Not captured regionally	3 years? (national trends)	Trends not recently reported