

Aurere Estuary

Water Quality Report Card for 2024



Site description

The Aurere Estuary is a small estuary on the east coast of the Northland peninsula that flows into Doubtless Bay. It is fed by two main tributaries, namely the Aurere Stream and the Parapara Stream. Since January 2018, Northland Regional Council has carried out routine monitoring to assess the health of the estuary and determine its suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.74	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.235	✗	✓	✓	✗	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.023	✗	✓	✓	✗	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0213	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.029	✓	✓	✓	✗	✗
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.017	✗	✓	✓	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	5.8	✓	✗	✗	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	217	✗	✗	✗	✗	✗

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	210	✗	✗	✗	✗	✗
	Median ≤ 14	CFU/100ml	40	✗	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Aurere Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Brampton Reef

Water Quality Report Card for 2024



Site description

Brampton Reef is an open coast site situated beyond the Veronica Channel in the Bay of Islands. Since May 2017, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.6	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 40	MPN/100ml	5	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	6.2	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Brampton Reef for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Burgess Island

Water Quality Report Card for 2024



Site description

Burgess Island is downstream of the Wairoa River in the Kaipara Harbour. In June 2009, Northland Regional Council in conjunction with Auckland Council commenced a monthly water quality monitoring programme in the Kaipara Harbour. Since this time, monthly water quality samples have been collected to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.6	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.004	✗	✗	✓	✓	✗
Total Nitrogen	Median < 0.22	mg/L	0.235	✗	✗	✗	✗	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.013	✓	✓	✓	✓	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0459	✓	✗	✗	✗	✗
Total Phosphorus	Median < 0.03	mg/L	0.034	✗	✗	✗	✗	✗
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.023	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	14	✗	✗	✗	✗	✗

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	25	✓	✓	✗	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	35	✓	✗	✗	✗	✗
	Median ≤ 14	CFU/100ml	2.5	✓	✓	✗	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Burgess Island for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Causeway Bridge

Water Quality Report Card for 2024



Site description

Situated along Molesworth Drive, this site is at the lower end of Tara Creek, which is one of the main freshwater inputs into Mangawhai Harbour. Since October 2016, monthly water quality samples have been collected by Northland Regional Council to monitor the ecosystem health of this tidal creek and indicate its suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.8	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0022	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.27	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.007	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.004	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.028	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.0085	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	4.9	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	232	✗	✗	✗	✗	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Causeway Bridge for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Doves Bay

Water Quality Report Card for 2024



Site description

Doves Bay is situated towards the entrance of the Kerikeri Inlet, on the east coast of the Northland peninsula. Since May 2008, Northland Regional Council has collected monthly water quality samples at this estuary to assess ecosystem health and the sites suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.78	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0015	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.11	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0053	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.012	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.008	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	1.75	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	12	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	4.7	✓	✓	✗	✗	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✗	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Doves Bay for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Five Fathom Channel

Water Quality Report Card for 2024



Site description

Five Fathom Channel is close to the entrance of the Kaipara Harbour on the west coast of the Northland Peninsula. In June 2009, Northland Regional Council in conjunction with Auckland Council commenced a monthly water quality monitoring programme in the Kaipara Harbour. Since this time, monthly water quality samples have been collected to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.84	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.002	✓	✗	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.14	✓	✓	✗	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.004	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0035	✓	✓	✗	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.016	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.01	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	2.7	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	10	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	3.1	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Five Fathom Channel for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Hātea River

Water Quality Report Card for 2024



Site description

This site is located in the lower reaches of the Hātea River Channel in the Whangārei Harbour. Since March 2008, Northland Regional Council has been collecting monthly water quality samples at this site to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.7	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.003	mg/L	0.0011	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.86	mg/L	0.35	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.099	mg/L	0.02	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.058	mg/L	0.1123	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.119	mg/L	0.041	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.092	mg/L	0.0365	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 7.5	NTU	4.8	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 500	MPN/100ml	31	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Hātea River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Horeke Estuary

Water Quality Report Card for 2024



Site description

Horeke is in the inner reaches of the Hokianga Harbour on the west coast of the Northland Peninsula. Since January 2021, Northland Regional Council has carried out routine monitoring at Horeke estuary to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.4	✓	✓	✓	✓	
Chlorophyll-a	Median < 0.004	mg/L	0.003	✓	✗	✓	✗	
Total Nitrogen	Median < 0.22	mg/L	0.25	✗	✗	✗	✗	
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.026	✗	✓	✓	✗	
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0233	✓	✓	✗	✗	
Total Phosphorus	Median < 0.03	mg/L	0.022	✓	✓	✓	✗	
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0125	✓	✓	✓	✓	

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	22	✗	✗	✗	✗	

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	44	✓	✓	✓	✓	

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	74.4	✗	✓	✗	✗	
	Median ≤ 14	CFU/100ml	13	✓	✗	✗	✗	

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Horeke Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Insley Street Causeway

Water Quality Report Card for 2024



Site description

Situated along Insley Street, this site is at the lower end of Bob Creek, which is one of the main freshwater inputs into Mangawhai Harbour. Since October 2016, monthly water quality samples have been collected by Northland Regional Council to monitor the ecosystem health of the creek and indicate its suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.2	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.225	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.007	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0022	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.027	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.008	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	5.25	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	161	✓	✗	✗	✓	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Insley Street Causeway for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Kaiwaka Point Estuary

Water Quality Report Card for 2024



Site description

Kaiwaka Point is in the upper Whāngārei Harbour, immediately downstream from the Hātea River which contributes freshwater input. Since 2008, Northland Regional Council has carried out routine monitoring at this site to assess the health of the estuary and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.42	✓	✓	✓	✗	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0013	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.19	✓	✗	✗	✗	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.014	✓	✗	✓	✓	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.016	✓	✓	✓	✓	✗
Total Phosphorus	Median < 0.03	mg/L	0.019	✓	✓	✓	✗	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.014	✓	✓	✓	✗	✗
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4.8	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	10	✓	✓	✓	✓	✗
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	10.9	✓	✗	✗	✓	✗
	Median ≤ 14	CFU/100ml	4.1	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Kaiwaka Point Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Kapua Point

Water Quality Report Card for 2024



Site description

Kapua Point is located in the upper reaches of the Arapaoa River arm of the Kaipara Harbour. In June 2009, Northland Regional Council in conjunction with Auckland Council commenced a monthly water quality monitoring programme in the Kaipara Harbour. Since this time, monthly water quality samples have been collected to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.21	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0031	✓	✓	✓	✗	✓
Total Nitrogen	Median < 0.22	mg/L	0.175	✓	✗	✗	✓	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.006	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0052	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.023	✓	✓	✗	✗	✗
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0215	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	5.48	✓	✓	✓	✓	✗

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	10	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	6.4	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	1.7	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Kapua Point for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Kawakawa River

Water Quality Report Card for 2024



Site description

This site is situated in the lower reaches of the Kawakawa river, which is one of the main freshwater inputs into the Bay of Islands. Since May 2008, Northland Regional Council has been collecting monthly water quality samples at this site to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.9	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0017	✓	✓	✗	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.165	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.009	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0155	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.023	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.0145	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	7.8	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	106	✓	✗	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Kawakawa River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Kerikeri River

Water Quality Report Card for 2024



Site description

This site is situated in the lower reaches of the Kerikeri River, which contributes an important freshwater input to the Bay of Islands system. Since May 2008, Northland Regional Council has been collecting monthly water quality samples at this tidal creek to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.2	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0013	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.26	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.014	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0557	✓	✗	✗	✓	✗
Total Phosphorus	Median < 0.04	mg/L	0.013	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.005	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	4.44	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	55	✓	✓	✗	✗	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Kerikeri River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Kissing Point

Water Quality Report Card for 2024



Site description

Kissing Point is located midway down the Hatea side of the Hātea River Channel in the Whangārei Harbour. Since January 1986, Northland Regional Council has been collecting monthly water quality samples at this site to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.5	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.003	mg/L	0.0009	✓	✗	✓	✓	✓
Total Nitrogen	Median < 0.86	mg/L	0.575	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.099	mg/L	0.033	✓	✗	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.058	mg/L	0.2375	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.119	mg/L	0.068	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.092	mg/L	0.0495	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 7.5	NTU	5.13	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 500	MPN/100ml	67	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Kissing Point for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Limeburners Creek

Water Quality Report Card for 2024



Site description

This site is situated at the mouth of Limeburners Creek, near the confluence of the Hātea River. Since January 1986, Northland Regional Council has been collecting monthly water quality samples at this site to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	3.8	✗	✓	✓	✗	✗
Chlorophyll-a	Median < 0.003	mg/L	0.0011	✓	✗	✓	✓	✓
Total Nitrogen	Median < 0.86	mg/L	1.75	✗	✗	✓	✗	✗
Total Ammoniacal Nitrogen	Median < 0.099	mg/L	0.125	✗	✗	✗	✓	✗
Total Oxidised Nitrogen	Median < 0.058	mg/L	0.4855	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.119	mg/L	0.13	✗	✓	✓	✓	✗
Dissolved Reactive Phosphorus	Median < 0.092	mg/L	0.108	✗	✓	✓	✓	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 7.5	NTU	5.8	✓	✗	✗	✗	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 500	MPN/100ml	160	✓	✓	✗	✓	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Limeburners Creek for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Mair Bank

Water Quality Report Card for 2024



Site description

Mair Bank is situated offshore from Marsden Point, just beyond the entrance of the Whangārei Harbour. Since April 1991, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.4	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 40	MPN/100ml	17	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	1.5	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Mair Bank for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Mangapai River

Water Quality Report Card for 2024



Site description

The Mangapai River is in the upper reaches of the Whangārei Harbour. Since January 2013, Northland Regional Council has been collecting monthly water quality samples to monitor the ecosystem health of the river and indicate its suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	4.4	✗	✓	✓	✗	✗
Chlorophyll-a	Median < 0.004	mg/L	0.0013	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.225	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.006	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0068	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.023	✓	✓	✓	✗	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.0125	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	8.2	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	77	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Mangapai River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Mangawhai Boatramp

Water Quality Report Card for 2024



Site description

The Mangawhai boatramp is situated towards the entrance of the Mangawhai Harbour, which is a small estuarine system on the east coast of the Northland peninsula. Since October 2016, Northland Regional Council has carried out routine monitoring to assess ecosystem health of this estuary and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.51	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.081	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.004	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0016	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.009	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0065	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	0.7	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	19	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	12.8	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	3.3	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Mangawhai Boatramp for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Mangawhai Heads

Water Quality Report Card for 2024



Site description

Mangawhai Heads is an open coast site on the east coast of the Northland Peninsula. It is a popular beach for recreational purposes including surfing and swimming. Since May 2017, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.2	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 40	MPN/100ml	10	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	1.6	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Mangawhai Heads for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Omapere Estuary

Water Quality Report Card for 2024



Site description

Omapere is located near the entrance of the Hokianga Harbour on the west coast of the Northland Peninsula. Since January 2021, Northland Regional Council has carried out routine monitoring at Omapere to assess the health of the estuary and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.67	✓	✓	✓	✓	
Chlorophyll-a	Median < 0.004	mg/L	0.001	✓	✓	✓	✓	
Total Nitrogen	Median < 0.22	mg/L	0.085	✓	✓	✓	✓	
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0084	✓	✓	✓	✓	
Total Phosphorus	Median < 0.03	mg/L	0.011	✓	✓	✓	✓	
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0065	✓	✓	✓	✓	
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	3.56	✓	✓	✓	✓	
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	214	✗	✓	✓	✓	
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	6.6	✓	✓	✓	✓	
	Median ≤ 14	CFU/100ml	1.6	✓	✓	✓	✓	

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Omapere Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

One Tree Point

Water Quality Report Card for 2024



Site description

One Tree Point is situated towards the entrance of the Whāngārei Harbor and is close to popular shellfish harvesting sites. Since March 2008, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.12	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.097	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0032	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.009	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.007	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	1.09	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	5	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	0.8	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at One Tree Point for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Otaika Creek

Water Quality Report Card for 2024



Site description

This site is located near the upper tidal limit of the Otaika Creek, which is connected to the Whangārei Harbour. Since January 2013, Northland Regional Council has been collecting monthly water quality samples to monitor the ecosystem health of the creek and indicate its suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.1	✓	✓	✓	✗	✗
Chlorophyll-a	Median < 0.004	mg/L	0.0009	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.595	✓	✗	✗	✓	✗
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.033	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.285	✗	✗	✗	✓	✗
Total Phosphorus	Median < 0.04	mg/L	0.017	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.008	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	5	✓	✗	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	191	✓	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Otaika Creek for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Paihia

Water Quality Report Card for 2024



Site description

Paihia is a popular beach resort in the Bay of Islands, on the east coast of the Northland Peninsula. Since May 2008, Northland Regional Council has carried out routine monitoring to assess ecosystem health and determine the sites suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.82	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0009	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.105	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0069	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.012	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	2.8	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	19	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	6.4	✓	✗	✗	✓	✓
	Median ≤ 14	CFU/100ml	1.2	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Paihia for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Portland Wharf

Water Quality Report Card for 2024



Site description

Portland Wharf is situated in the upper the Whāngārei Harbour. Since March 2008, Northland Regional Council has carried out routine monitoring at this estuary to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.36	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0013	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.18	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.008	✓	✓	✓	✓	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0155	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.022	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.013	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4.58	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	15	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	12.7	✓	✗	✗	✓	✓
	Median ≤ 14	CFU/100ml	1.6	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Portland Wharf for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Rawene Estuary

Water Quality Report Card for 2024



Site description

Rawene is in the middle reaches of the Hokianga Harbour, on the west coast of the Northland Peninsula. Since January 2021, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.3	✓	✓	✓	✓	
Chlorophyll-a	Median < 0.004	mg/L	0.0027	✓	✗	✓	✓	
Total Nitrogen	Median < 0.22	mg/L	0.2	✓	✓	✗	✗	
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.019	✓	✓	✓	✓	
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0328	✓	✓	✓	✗	
Total Phosphorus	Median < 0.03	mg/L	0.024	✓	✓	✓	✗	
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.013	✓	✓	✓	✓	

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	17	✗	✗	✗	✗	

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	5885	✗	✗	✓	✓	

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	35.8	✓	✓	✗	✗	
	Median ≤ 14	CFU/100ml	5.8	✓	✓	✗	✗	

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Rawene Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Ruakaka Estuary

Water Quality Report Card for 2024



Site description

Ruakaka Estuary is a tidal lagoon situated on the east coast of the Northland Peninsula. It is popular for a variety of recreational activities including swimming, bird-watching, fishing, and shellfish gathering. Since May 2017, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.75	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.13	✓	✗	✗	✗	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.004	✓	✓	✗	✗	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0054	✓	✗	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.013	✓	✓	✓	✗	✗
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.01	✓	✓	✗	✗	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	1.1	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	96	✓	✗	✗	✓	✗

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	246	✗	✗	✗	✗	✗
	Median ≤ 14	CFU/100ml	42	✗	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Ruakaka Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Taipa Estuary at Boat ramp

Water Quality Report Card for 2024

Site description

The Taipa Estuary is a small estuary on the east coast of the Northland peninsula. The estuary receives freshwater from the Oruru River and Paranui Stream. Analysis of land use in the catchment, indicated that 36% of the catchment was covered by high producing exotic grassland, 23% with indigenous forest, 14% with manuka/kanuka scrub and 14% with exotic forest. This estuary is popular for swimming and shellfish harvesting.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.59	✓	✓	✓		
Chlorophyll-a	Median < 0.004	mg/L	0.0005	✓	✓	✓		
Total Nitrogen	Median < 0.22	mg/L	0.095	✓	✓	✓		
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓		
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.005	✓	✓	✓		
Total Phosphorus	Median < 0.03	mg/L	0.01	✓	✓	✓		
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓		

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	2.14	✓	✓	✓		

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	36	✓	✓	✗		

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	72	✗	✓	✗		
	Median ≤ 14	CFU/100ml	10	✓	✓	✗		

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Taipa Estuary at Boat ramp for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Tamaterau

Water Quality Report Card for 2024



Site description

Tamaterau is located in the middle reaches of the Whāngārei harbour. Since 2008, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.61	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.001	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.12	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0038	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.014	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0105	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	1.8	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	16	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	1.5	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Tamaterau for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Tapu Point

Water Quality Report Card for 2024



Site description

Tapu Point is in the Bay of Islands close to Ōpua. Since May 2008, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.58	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0018	✓	✓	✗	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.135	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0038	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.016	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0115	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4.55	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	29	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	37.8	✓	✗	✗	✓	✓
	Median ≤ 14	CFU/100ml	1.6	✓	✗	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Tapu Point for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Te Haumi

Water Quality Report Card for 2024



Site description

Te Haumi Estuary is in the Bay of Islands, to the south-east of Paihia. This site has high ecological significance, with diverse estuarine habitats and well-established shellfish beds. Since May 2008, Northland Regional Council has carried out routine monitoring at this estuary to assess ecosystem health and determine the sites suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.65	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0009	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.13	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.008	✓	✓	✓	✓	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0063	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.014	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0115	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	3.44	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	15	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	12.9	✓	✓	✗	✓	✓
	Median ≤ 14	CFU/100ml	3.3	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Te Haumi for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Te Hoanga Point

Water Quality Report Card for 2024



Site description

Te Hoanga Point is located in the Otamatea arm of the Kaipara Harbour. In June 2009, Northland Regional Council in conjunction with Auckland Council commenced a monthly water quality monitoring programme in the Kaipara Harbour. Since this time, monthly water quality samples have been collected to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.42	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.002	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.175	✓	✗	✗	✓	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.007	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.011	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.023	✓	✓	✗	✗	✗
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0195	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	5.65	✓	✓	✓	✓	✗

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	15	✓	✗	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	3.3	✓	✓	✗	✓	✓
	Median ≤ 14	CFU/100ml	1.6	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Te Hoanga Point for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Te Kopua

Water Quality Report Card for 2024



Site description

Te Kopua is located towards the lower end of the Arapaoa arm of the Kaipara Harbour. In June 2009, Northland Regional Council in conjunction with Auckland Council commenced a monthly water quality monitoring programme in the Kaipara Harbour. Since this time, monthly water quality samples have been collected to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.55	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0023	✓	✓	✓	✗	✓
Total Nitrogen	Median < 0.22	mg/L	0.145	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.006	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0043	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.021	✓	✓	✓	✗	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.017	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4.35	✓	✓	✓	✓	✗

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	12	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	1.5	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	0.8	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Te Kopua for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Tern Point Channel

Water Quality Report Card for 2024



Site description

The Tern Point Channel is situated within the Mangawhai Harbour, which is a small estuarine system on Northland's east coast. Since October 2016, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.13	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0008	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.125	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.001	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.015	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓	✓	✓
Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	2.37	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	34	✓	✓	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	48.8	✗	✗	✗	✓	✗
	Median ≤ 14	CFU/100ml	9.8	✓	✗	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Tern Point Channel for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Town Basin

Water Quality Report Card for 2024



Site description

This site is in the upper reaches of the Whangārei Harbour and is the immediate receiving environment for inputs from the Hātea River catchment. Since January 1986, Northland Regional Council has been collecting monthly water quality samples at this site. The resulting data has been used to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.1	✓	✓	✗	✗	✗
Chlorophyll-a	Median < 0.003	mg/L	0.002	✓	✗	✓	✓	✗
Total Nitrogen	Median < 0.86	mg/L	0.76	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.099	mg/L	0.034	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.058	mg/L	0.534	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.119	mg/L	0.067	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.092	mg/L	0.054	✓	✓	✓	✗	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 7.5	NTU	3.13	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 500	MPN/100ml	328	✓	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Town Basin for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Wahiwaka Creek

Water Quality Report Card for 2024



Site description

Wahiwaka Creek is located in the upper reaches of the Otamatea channel in the Kaipara Harbour. Since 2009, Northland Regional Council has been collecting monthly water quality samples to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	4.8	✓	✓	✓	✓	✗
Chlorophyll-a	Median < 0.004	mg/L	0.002	✓	✗	✗	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.3	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.022	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0585	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.045	✗	✗	✗	✗	✗
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.038	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	9.1	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	144	✓	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Wahiwaka Creek for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waiaharohia Canal

Water Quality Report Card for 2024



Site description

This site is at the bottom of the Waiaharohia River, just upstream of the confluence with the Hātea River. Since March 2008, Northland Regional Council has been collecting monthly water quality samples at this site. The resulting data has been used to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	4.8	✓	✓	✓	✗	✗
Chlorophyll-a	Median < 0.003	mg/L	0.0009	✓	✗	✓	✓	✓
Total Nitrogen	Median < 0.86	mg/L	0.945	✗	✗	✗	✗	✗
Total Ammoniacal Nitrogen	Median < 0.099	mg/L	0.052	✓	✗	✗	✓	✗
Total Oxidised Nitrogen	Median < 0.058	mg/L	0.645	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.119	mg/L	0.11	✓	✓	✓	✗	✓
Dissolved Reactive Phosphorus	Median < 0.092	mg/L	0.1025	✗	✓	✓	✗	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 7.5	NTU	4.45	✓	✗	✗	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 500	MPN/100ml	155	✓	✓	✗	✓	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waiaharohia Canal for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waikare Inlet

Water Quality Report Card for 2024



Site description

The Waikare Inlet is located within the Bay of Islands, on the east coast of the Northland Peninsula. Since May 2008, Northland Regional Council has carried out routine monitoring of this inlet to assess ecosystem health and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.27	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0017	✓	✓	✗	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.125	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.003	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.001	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.016	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.011	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	5.35	✓	✓	✓	✗	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	37	✓	✓	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	23.5	✓	✗	✓	✓	✓
	Median ≤ 14	CFU/100ml	1.7	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waikare Inlet for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Wainui Island

Water Quality Report Card for 2024



Site description

Wainui Island is in the middle reaches of the Kerikeri Inlet in the Bay of Islands. Since May 2008, Northland Regional Council has carried out routine monitoring to assess the health of the estuary and determine its suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	5.95	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0016	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.16	✓	✓	✓	✓	✗
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.006	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0138	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.015	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.0085	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4.3	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	15	✓	✓	✓	✗	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	38.4	✓	✓	✗	✗	✓
	Median ≤ 14	CFU/100ml	4.9	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Wainui Island for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waipapa River

Water Quality Report Card for 2024



Site description

This site is situated in the lower reaches of the Waipapa River, which contributes an important freshwater input to the Bay of Islands system. Since May 2008, Northland Regional Council has been collecting monthly water quality samples at this site to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	4.9	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0015	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.23	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.025	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.0342	✓	✗	✗	✓	✓
Total Phosphorus	Median < 0.04	mg/L	0.013	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.006	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	5.4	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	72	✓	✓	✓	✗	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waipapa River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waipū Cove

Water Quality Report Card for 2024



Site description

Waipū Cove is an open coast site on the east coast of the Northland Peninsula. It is a popular beach for recreational purposes including surfing, camping, and swimming. Since November 2017, Northland Regional Council has carried out routine monitoring at this site to assess ecosystem health and determine the sites suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.2	✓	✓	✓	✓	✓
Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 40	MPN/100ml	19	✓	✗	✓	✓	✓
Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	19.7	✓	✓	✓	✓	✓
	Median ≤ 14	CFU/100ml	3.3	✓	✓	✓	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waipū Cove for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waipū Estuary

Water Quality Report Card for 2024



Site description

The Waipū Estuary is situated on the east coast of the Northland Peninsula. This estuary is renowned as a nesting area for many native shorebird species and has established shellfish populations. Since May 2017, Northland Regional Council has carried out routine monitoring at this estuary to assess ecosystem health and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	7.09	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.115	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.007	✓	✓	✓	✗	✗
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0056	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.011	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	1.3	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	51	✓	✗	✗	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	35	✓	✗	✗	✗	✗
	Median ≤ 14	CFU/100ml	11.6	✓	✗	✓	✗	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waipū Estuary for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waipū Lagoon

Water Quality Report Card for 2024



Site description

The Waipū Lagoon is a shallow lagoon in the southern arm of the Waipū estuary which supports native birds and shellfish beds. Since May 2017, Northland Regional Council has carried out routine monitoring at this site to assess the health of the estuary and determine its suitability for recreational activities and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health

Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.9	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0003	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.11	✓	✓	✓	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.006	✓	✓	✓	✗	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0019	✓	✓	✓	✓	✓
Total Phosphorus	Median < 0.03	mg/L	0.014	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓	✓	✓

Water Clarity

Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	2.12	✓	✓	✓	✓	✓

Recreation

Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	57	✓	✗	✗	✓	✓

Shellfish consumption

Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	19.4	✓	✗	✗	✓	✓
	Median ≤ 14	CFU/100ml	1.6	✓	✗	✗	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waipū Lagoon for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Wairoa River

Water Quality Report Card for 2024



Site description

The Wairoa River site is located between Raupo and Tikinui in the Wairoa arm of the Kaipara Harbour. Since October 2016, monthly water quality samples have been collected at this site by Northland Regional Council to monitor ecosystem health and indicate the sites suitability for recreational purposes.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.4	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0062	✗	✗	✗	✓	✓
Total Nitrogen	Median < 0.6	mg/L	0.69	✗	✗	✗	✗	✗
Total Ammoniacal Nitrogen	Median < 0.043	mg/L	0.015	✓	✓	✓	✓	✗
Total Oxidised Nitrogen	Median < 0.218	mg/L	0.299	✗	✗	✗	✗	✗
Total Phosphorus	Median < 0.04	mg/L	0.045	✗	✗	✗	✗	✗
Dissolved Reactive Phosphorus	Median < 0.021	mg/L	0.0315	✗	✗	✗	✗	✗

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 10.8	NTU	30.35	✗	✗	✗	✗	✗

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	51	✓	✓	✗	✓	✓

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Wairoa River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.

Waitangi River

Water Quality Report Card for 2024



Site description

The Waitangi Estuary is located within the Bay of Islands, on the east coast of the Northland peninsula. Since May 2008, Northland Regional Council has carried out routine monitoring to assess the health of the estuary and determine its suitability for recreation and shellfish consumption.



Find out more at www.nrc.govt.nz/environment/environmental-data/environmental-data-hub

Ecosystem Health								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Dissolved Oxygen	Minimum > 4.6	mg/L	6.37	✓	✓	✓	✓	✓
Chlorophyll-a	Median < 0.004	mg/L	0.0008	✓	✓	✓	✓	✓
Total Nitrogen	Median < 0.22	mg/L	0.15	✓	✓	✗	✓	✓
Total Ammoniacal Nitrogen	Median < 0.023	mg/L	0.013	✓	✓	✓	✓	✓
Total Oxidised Nitrogen	Median < 0.048	mg/L	0.0066	✓	✗	✗	✓	✗
Total Phosphorus	Median < 0.03	mg/L	0.013	✓	✓	✓	✓	✓
Dissolved Reactive Phosphorus	Median < 0.017	mg/L	0.009	✓	✓	✓	✓	✓

Water Clarity								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Turbidity	Median < 6.9	NTU	4	✓	✓	✓	✓	✓

Recreation								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Enterococci	95th percentile ≤ 200	MPN/100ml	29	✓	✗	✓	✓	✓

Shellfish consumption								
Parameter	Standard	Units	Result for 2024	Status				
				2024	2023	2022	2021	2020
Faecal Coliforms	90th percentile ≤ 43	CFU/100ml	221	✗	✗	✗	✗	✗
	Median ≤ 14	CFU/100ml	13.1	✓	✗	✗	✗	✗

Disclaimer

This report card provides a snapshot of the water quality and ecological health at Waitangi River for the past 5 years. The appropriate metric (median/lowest recorded value/percentile value) for each calendar year is assessed against the coastal water quality standards outlined in the Regional Plan for Northland. A tick indicates an achieved standard while a cross indicates a not achieved standard.