

Turning the Tide on Ocean Trash One Bag at a Time

20,230,112

Litres of litter collected from New Zealand's Waterways since 2002

200+ Million individual pieces

37 pieces for every Human in New Zealand

674 Shipping Containers full of loose litter



Mid Feb 2025- Mid May 2025
QUARTERLY REPORT

SEA CLEANERS



Contents

- Cover Page: Tauranga Moana
- Contents (Page 2) (Phil Warren II)
- Introduction (Page 3)
- Captain's Corner (Page 4)
- Time allocation (Page 5)
- Litter Data Summary (Page 6)
- General Extras (Page 7)
- Daily Logs: (Page 8)
- Various Photos (Page 9)
- Community Engagement (Page 10)
- Various Photos (Pages 11 - 13)
- Marine Litter Impact Summary (Pages 14 & 15)
- Various Photos (Pages 17-18)
- Recycling Alliance (Pages 19 & 20)
- Various Photos (Page 21)



Introduction

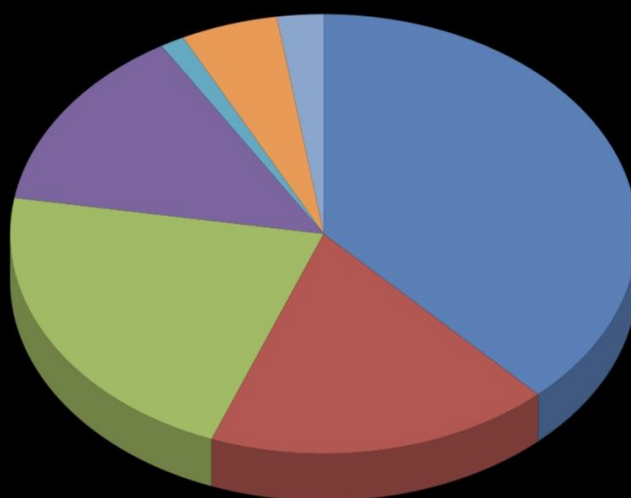
During this report period from Mid-February 2025, the volume of litter recovered from Northland, Waitemata Harbour, Manukau Harbour, Canterbury, Bay of Plenty & Auckland's Outer Limits was **642,900** litres. This was achieved with the help of **5474** volunteer hours. **213,460** litres more and **3,480** volunteer hours more than last quarter.

We spent a total of **3,395** hours removing rubbish from the shorelines, and preparing for and attending community events, vessel management and general day to day duties including volunteer co-ordination.

Since our clean-up inception during December 2002, we have recovered and removed over **20,230,112** litres of rubbish and have co-ordinated over **190,329** hours of volunteer support for the operation.

This is the enough collected marine litter to fill over **674** shipping containers.

SEA CLEANERS Litter collection by Region since inception 2002
Total Volume 20,230,112 litres



● Waitemata Harbour ● Northland Region ● Manukau Harbour ● Auckland Outer Limits ● Bay of Plenty ● Canterbury ● Other

CAPTAIN'S CORNER

Bay of Plenty Region – Skipper's Report & Reflection

Firstly, I want to express my sincere thanks to every Trustee and Sponsor for the opportunity to operate as skipper in the Bay of Plenty region. It has been a truly rewarding experience so far, and I'm incredibly grateful to be part of such an impactful initiative — one that's creating meaningful change in our environment and the communities we serve.

Over the past few months on the water, I've witnessed both the worst and best of our relationship with the environment. On one hand, I've come across deeply disappointing sights: old, makeshift rubbish tips eroded into the ocean, dumping along the water's edge, and a general disregard for proper waste disposal. Day after day, I'm removing thousands of litres of rubbish from our marine environments — a constant reminder that there is still much work to be done.

Sadly, some behaviours persist — from bottles being tossed out of car windows to illegal dumping of tyres, despite initiatives like Tyre Wise. And for those who believe old tyres make effective seawalls, I must be clear: they don't. The ocean still claims the banks behind them, and eventually, those tyres end up strewn across the coastline or sunk beneath the waves.

That said, I've also been heartened by the pride many communities take in their local environment. Along the eastern ocean-side beaches — from Whangamatā and Waihi Beach to Pukehina, Maketu, and the stretches of Mount Maunganui and Papamoa — there's a strong sense of environmental stewardship. It's inspiring to see families out on Sunday morning walks collecting bottles and litter, and it's clear that many smaller beachside communities are leading by example.

We're also fortunate to have dedicated local organisations driving professional clean-up efforts. Aotearoa Dive – Rotorua conducts annual dive clean-ups across the district's lakes, and Our Backyard Trust hosts a yearly Tauranga Moana clean-up, which we're proud to support by providing our vessel and manpower — resources that were previously limiting factors for them.

Our *moana* is a vital part of our region's identity, and there's a growing movement to protect and preserve it. Every day, we engage with members of the public who are curious, supportive, and full of gratitude for our work. Many express a desire to see more initiatives like ours, which is both encouraging and humbling.

Despite this overwhelming community spirit, the truth remains: there's still a long road ahead. We may be known globally as a "clean, green" nation, but there is a gap between perception and reality. It's our mission to close that gap — one clean-up, one conversation, and one community at a time.

Thank you again for your support. It's a privilege to be part of this journey.

Ngā mihi nui,

Josh Malmo

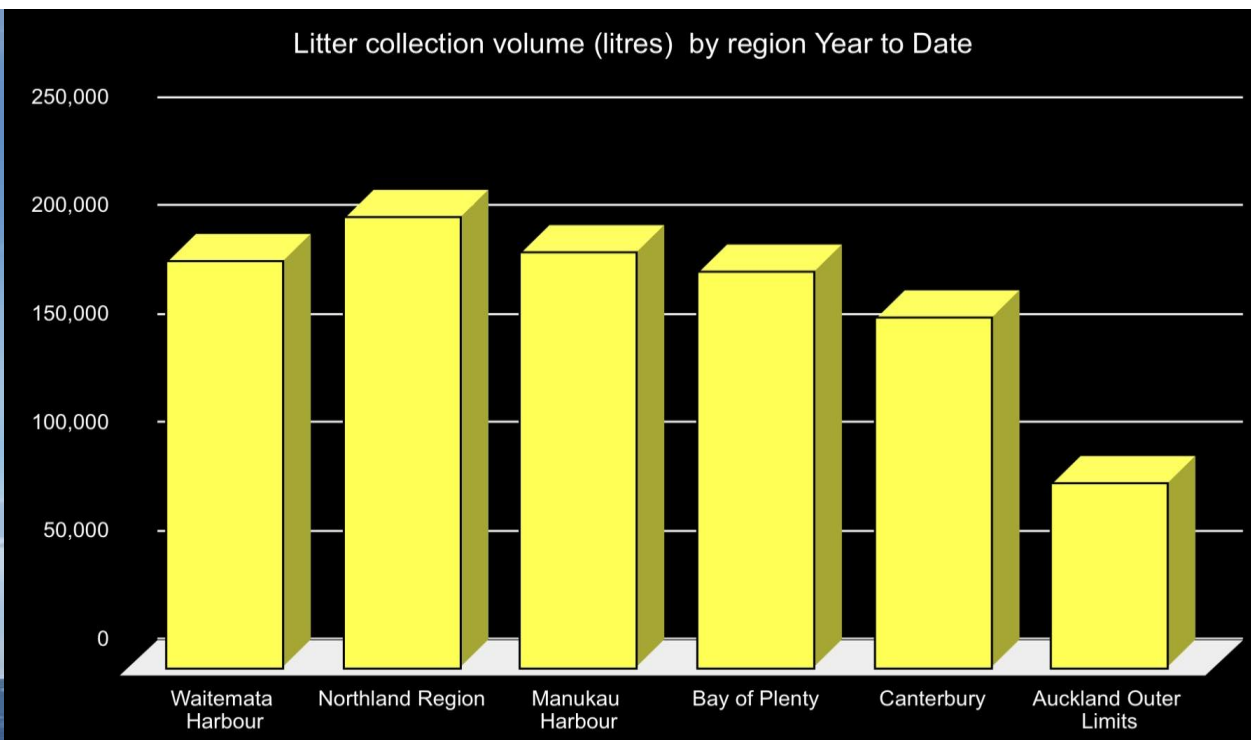
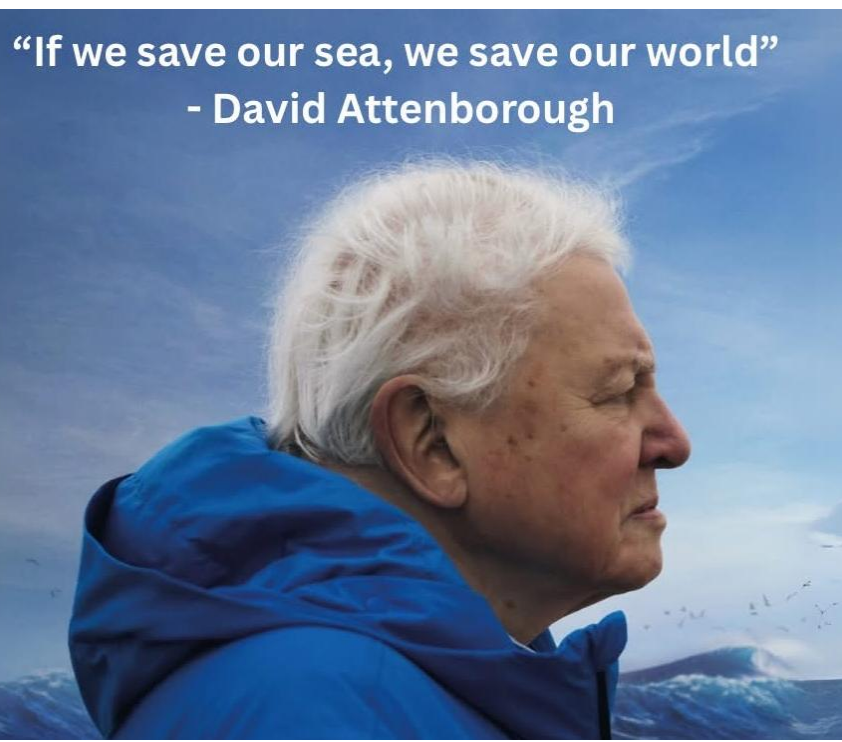
Report prepared by: Hayden Smith Date: 26/05/2025

Reviewed by: Hayden's Harbour Clean Ltd

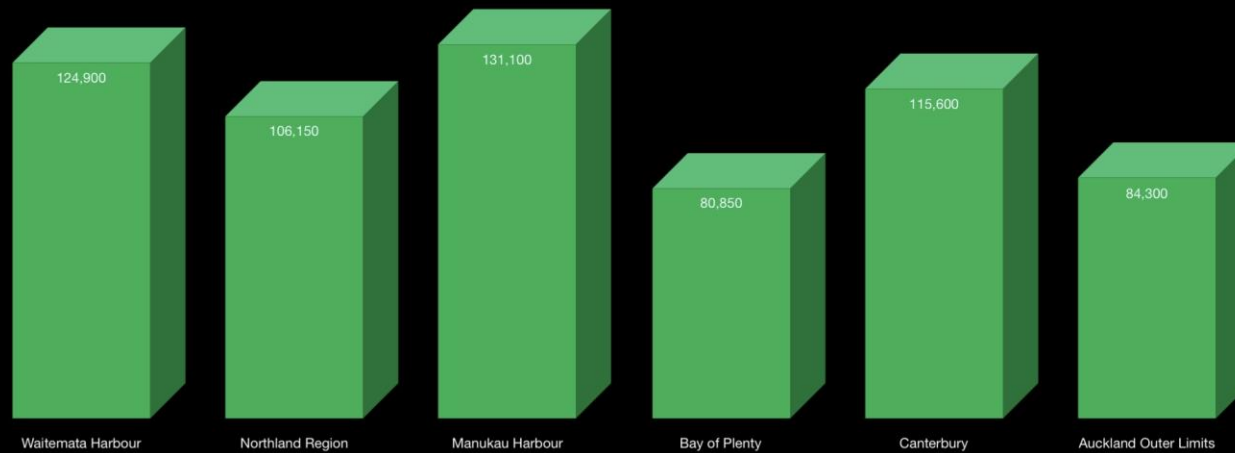
For period beginning: 20/02/2025 to 21/05/2025

Specification Category	Measure	Results	
Northland Waitemata Manukau Bay of Plenty Auckland Outerlimits, due to restart in next quarter.	Weekly record of time allocation by staff (hrs). Includes breakdown by activity type: <ul style="list-style-type: none"> Boat use Boat prep Event planning Meetings Media Liaison Reporting etc <i>Reporting = year to date</i>		<u>Time Allocation (Hours)</u>
		Contracted Boat use hours:	2,672 Completed
		Boat Prep/Maintenance	1 hour total, prior to, & following use daily
		Event/ Volunteer Planning	30
		Meetings	45
		Media Liaison	8
		Report preparation	40
		Communications (general duty emails)	500
		Health & Safety / MNZ management	100
		Total Hours worked	3,395 Completed
	<ul style="list-style-type: none"> Logs available on request 	<ul style="list-style-type: none"> <i>Weekly logs attached in Appendix 1</i> 	

	Measure	Results								
Litter Captured Year to Date: Litres 1,012,550	Litter monitoring data		<u>Waitemata</u>	<u>Northland</u>	<u>Manukau</u>	<u>Auckland Outer Limits</u>	Canterbury	Bay of Plenty	Other	Total
	• Volume of litter collected by area	Volume/litres ¼ period	124,900	106,150	131,100	84,300	115,600	80,850	0	642,900
		Volume since inception litres	7,693,385	3,599,270	4,409,777	2,777,130	1,011,950	134,800	603,800	20,230,112
	• Time	Hour's period	488	480	480	296	480	448	723	3,395
		Volunteer hours – ¼ period	2,544	120	137	1,145	96	1,432	0	5,474
	Reported Year to date	Volunteer hours inception	142,273	12,648	11,786	14,391	1,793	1558	5,880	190,329
		<u>Mid-February 2025 – Mid May 2025 Litter Collection Data Summary</u> • <i>Quarterly litter log (spread sheet) showing detailed information on litter volumes by region and local locations (page 8).</i>								



Collection volumes by region
 QUARTER PERIOD Mid February 2025 Mid May 2025



Specification Category	Measure	Results
Vessel Maintenance	Periodic Maintenance	General Maintenance Standard 100-hour engine services on vessels Winch and bilge pump maintenance across the fleet General trailer maintenance
	Extra Ordinary Maintenance	Trailers, Trucks = and Boats not working general upkeep
Pollution Events (Oil, Effluent spills etc...)	Record of observed pollution events and call outs by pollution teams.	Total # of pollution events observed: 7 Total # of pollution events reported to Council: 7 <i>Illegal Dumping's</i>
Health and Safety AUDITS	Annual health and safety report to the Trust including all incidents and accidents. <i>Reporting = Year to date</i>	List total number of health and safety incidents occurring in this period: 1: Dropped a chair on ankle (Canterbury) Health and Safety. Protocol development for managing the safety of our team has been at the forefront of all our minds. This will continue as we move together into the future. Health & Safety/ Safe Ship Management, Hayden's Harbour Clean Ltd Internal Audit, Records updated No defects. System Safe, across all boats. Health and Safety briefing audio file on all boats for consistency of messaging by skippers Litter Audit

	NORTHLAND		WAITEMATA		MANUKAU		CANTERBURY		BAY OF PLENTY		AUCKLAND OUTER LIMITS	
VESSELS	TOROA		PHIL WARREN II		BOBBY STAFFORD-BUSH		HONU		BOBBY STAFFORD-BUSH II		KOTARE	
			QUARTER VOLUME	642,900								
	GRASSROOTS TRUST	106,150	AUCKLAND COUNCIL	124,900	AUCKLAND COUNCIL	131,100	The Coca Cola Foundation	115,600	BOPRC/TCC	80,850	AUCKLAND COUNCIL	84,300
Date	Northland Location	Northland Volume	Waitemata Location	Waitemata Volume	Manukau Location	Manukau Volume	Canterbury location	Canterbury Volume	Bay of Plenty Location	Bay of Plenty Volume	Outer Limits Location	Outer Limits Volume
20/02/2025	OPUA	1000	AKL AIRPORT CLEAN UP	1500	AIRPORT/RENTON BEACH	2000	AVON RIVER	2300	WHAKATANE	2000		
21/02/2025	RUSSELL	1000	TAMAKI RIVER	1600	ISLAND ROAD	7000	STAFF ON LEAVE	0	TAURANGA/YARD	1500		
24/02/2025	BAY OF ISLANDS	2000	POLLEN ISLAND	1000	WEYMOUTH	2500	HEATHCOTE RIVER	2000	TANNERS POINT	2000		
25/02/2025	KERIKERI	1500	WAIHEKE	1500	STAFF AWAY	0	MAGNET BAY/TE OKA BAY	2000	TAURANGA	4500		
26/02/2025	BAY OF ISLANDS	1000	TAMAKI RIVER	3500	ONEHUNGA	2000	AVON RIVER	2000	TAURANGA	1500		
27/02/2025	HOREKE	2000	TAMAKI RIVER	2000	WEYMOUTH	2300	WAIMAKARIRI	2000	WHAKATANE/OHOPE	2200		
28/02/2025	OPUA	3000	RANGITOTO	2000	WEYMOUTH	1500	CHRISTCHURCH ESTUARY	2000	TAURANGA/YARD	2000		
2/02/2025	STAFF ON LEAVE	0	CBD/TAMAKI DRIVE	350	STAFF AWAY	0	PIGEON BAY	3000	TAURANGA	1000		
3/02/2025	STAFF ON LEAVE	0	MONTHLYS	0	MONTHLYS	0	MONTHLYS	0	TAURANGA/MONTHLYS	2000		
4/03/2025	STAFF ON LEAVE	0	TAMAKI RIVER	700	ISLAND RD	2000	CHRISTCHURCH ESTUARY	2000	TAURANGA	2000		
5/03/2025	STAFF ON LEAVE	0	ACHIBALD PARK	300	RENTON RD	2000	WAIMAKARIRI RIVER	2000	TAURANGA	4000		
6/03/2025	STAFF ON LEAVE	0	TAMAKI RIVER	3800	ONEHUNGA (E. MANGERE BRIDGE)	2000	NAVEL POINT	500	TAURANGA	3000		
10/03/2025	HOREKE	2000	STAFF AWAY	0	ONEHUNGA	4000	BROOKLYN LAGOON	2000	TAURANGA HARBOUR	3000		
11/03/2025	WHANGAREI	1500	TAMAKI RIVER	2000	WAIUKU	2000	LYTTELTON	500	WHAKATANE	6000		
12/03/2025	STAFF AWAY	0	JUDGES BAY/CBD/HOBSONVILLE	1500	MANGERE	3500	AMBERLY BEACH	500	TAUPO	3500		
13/03/2025	WHANGAREI	5000	POLLEN ISLAND/WHAU	2000	IHUMATAO	1800	WAIMAKARIRI RIVER	2000	MATATA/ROTAMA			
14/03/2025	KERIKERI	4000	TAMAKI RIVER	2000	FAVONA	6000	BLIND BAY	2250	TAURANGA/MATATA	2000		
17/03/2025	AUCKLAND-TRUCK	0	WHAU RIVER	2400	HUIA	2000	PORT LEVY	2500	TAURANGA HARBOUR	2500		
18/03/2025	HOREKE	1700	HENDERSON RIVER	2000	DRURY	3200	SUMNER/TAYLORS MISTAKE	1700	TAURANGA	3000		
19/03/2025	WHANGAREI COASTAL	2000	BROWNS IS./BUCKLANDS BEACH	700	AWHITU	6000	RECON -TEDDINGTON MUD FLAT	0	TAURANGA HARBOUR	2000		
20/03/2025	WHANGAREI	1300	SPLASHY NATURE DAY-ARCHIBALD P.	50	WHAU PORTAGE	2000	WAIMAKARIRI	4000	ROTORUA	1800		
21/03/2025	WHANGAREI	2000	WAIHEKE	3250	STAFF AWAY	0	HEATHCOTE RIVER	4000	TAURANGA	1000		
24/03/2025	OPUA	3000	TAMAKI RIVER	4250	PUKETUTU ISLAND	6000	WAIMAKARIRI RIVER MOUTH	3000	TAURANGA HARBOUR	1500		
25/03/2025	HOUHORA	2000	RANGITOTO	1200	RECON	0	TE OKA/TUMBLEDOWN BAY	2000	WHANGAMATA	1500		
26/03/2025	WHANAGREI	1200	CBD BEACHES	1200	RECON	0	LYTTELTON	200	WAIROA RIVER	2200		
27/03/2025	WHANGAROA	2400	TAMAKI RIVER	2000	RECON	0	CASE BAY	50	WHAKATANE	1000		
28/03/2025	WHANGAREI	1700	RANGITOTO	750	RECON	0	BLIND BAY	6500	TAURANGA	2000		
31/03/2025	KARIKARI	2000	TAMAKI RIVER	3800	FAVONA	1000	WAIMAKARIRI	4000	TAURANGA HARBOUR	1500		
1/04/2025	OPUA	4000	HENDERSON	2300	MONTHLYS	0	MONTHLYS	0	TAURANGA	1500	MONTHLY CHECKS	0
2/04/2025	WHANGAREI	4000	BEACHHAVEN/RIVERHEAD	1500	ONEHUNGA	5500	HURUNUI RIVER	2000	TAURANGA HARBOUR	2200	HURUHURU	2500
3/04/2025	WHANGAREI	1800	MONTHLY CHECKS	0	KARAKA HABOURSIDE	1800	OARO/KAIKOURA COAST	1000	WHAKATANE	1800	TAMAKI RIVER	1750
4/04/2025	WHANGAREI	2000	PWII OUT OF WATER	0	ISLAND ROAD	1850	CHRISTCHURCH ESTUARY	2000	TAURANGA	2000	OREWA MARAE	1000
6/04/2025	BAY OF ISLANDS	2000	POLLEN ISLAND	2000	STAFF ON WAITEMATA	0	MENZIES BAY	3750	ROTORUA/LAKE OKAREKA	2000	AORERE POINT	3500
7/04/2025	STAFF AWAY	0	OREKEI LIGHTHOUSE/TE ATATU	3200	SEAGROVE ROAD	2250	SCRUBBY BAY	1400	TAURANGA	2500	KUMEU RIVER	1200
8/04/2025	RUSSELL	2000	CBD BEACHES	1000	STAFF AWAY	0	WAIMAKARIRI	2000	TAURANGA	1000	HELENSVILLE	1000
9/04/2025	WHANGAROA	2000	WAIHEKE/RANGI/BUCKLANDS BEACH	1000	STAFF AWAY	0	WHITEHEAD BAY	2500	TAURANGA	2000	KUMEU RIVER	2700
10/04/2025	WAITANGI	1000	ORAKEI	1750	PUKETUTU ISLAND	1500	ASHLEY RIVER	2000			FIRTH OF THAMES	8000
12/04/2025	DAY OFF	0	DAY OFF	0	DAY OFF	0	DAY OFF	0	DAY OFF	0	WEITI RIVER	9000
13/04/2025	DAY OFF	0	DAY OFF	0	DAY OFF	0	DAY OFF	0	DAY OFF	0	HURUHURU	1250
14/04/2025	DARGAVILLE	3800	TAMAKI RIVER	2500	HAYFIELD PARK	1000	DIAMOND HARBOUR	2000	STAFF ON LEAVE	0	KAWAKAWA	600
15/04/2025	RUSSELL	500	RIVERHEAD	3200	ISLAND ROAD/RENTONS	2000	BIRDLINGS FLAT	2000	STAFF ON LEAVE	0	MIRANDA COAST	450
16/04/2025	BAY OF ISLANDS	2000	PUHINUI STREAM	4000	PUKUTUTU	1500	WAIMAKARIRI	2000	STAFF ON LEAVE	0	RIVERHEAD	1000
17/04/2025	KERIKERI	1700	WIRI/PUHINUI/PAKURANGA	1000	WIRI/PUHINUI/PAKURANGA	1000	LAKE ELLESMERE	2000	STAFF ON LEAVE	0	KAIPATIKI	1000
22/04/2025	KARIKARI	1250	TAMAKI RIVER	2000	ONEHUNGA	3750	STAFF ON LEAVE	0	STAFF ON LEAVE	0	KUMEU RIVER	700
23/04/2025	WHANGAREI	2000	CHELSEA/RANGITOTO	6000	PAPAKURA	3500	STAFF ON LEAVE	0	PAPAMOA & MOUNT S. DUNES	850	PAKARI	550
24/04/2025	KERIKERI	2000	RANGITOTO	1200	CLARKS BEACH	350	STAFF ON LEAVE	0	BRIDGE MARINA & AIRPORT	2000	FIRTH OF THAMES	4500
28/04/2025	MARSDEN POINT	1250	TAMAKI	2000	WEYMOUTH/KARAKA	6200	RAUPO BAY	4250	TAURANGA	2200	WADE RIVER	1000
29/04/2025	OPUA	4500	FAVONA/MANGERE	3000	MANGERE/FAVONA	3000	WAIMAKARIRI	2000	ROTORUA	2000	FAVONA	2000
30/04/2025	MANGONUI	2200	FAVONA/AIRPORT	4000	FAVONA/AIRPORT	4000	WAIMAKARIRI	2000	TAURANGA	2000	OTAHUHU	1200
1/05/2025	WHANGAREI	1200	MONTHLY CHECKS	0	MONTHLY CHECKS	0	BAD WEATHER DAY	0	MONTHLY CHECKS	0	MONTHLY CHECKS	0
2/05/2025	RUAKAKA	3000	HENDERSON	3200	MANGERE/FAVONA	3250	AVON/HEATHCOTE	2000	NEW CHART PLOTTER INSTALL	0	HURUHURU	2500
4/05/2025	OPUA	5000	MOTOTAPU/RANGITOTO	2500	MANGERE	2000	STONY BAY	5100	DAY OFF	0	WEITI RIVER	2000
5/05/2025	EASTERN B.O.I	2000	CHELSEA/DEVONPORT/RANGITOTO	3500	RENTONS/ELLETS BEACH	4750	LAVERICKS BAY	1600	OFFICIAL LAUNCH	500	KUMEU RIVER	1200
6/05/2025	WHANGAREI	2000	WAIHEKE/MOTOUHI	1500	ONEHUNGA	800	CITY RIVERS	2000	TAURANGA	2000	KAWAKAWA	1000
7/05/2025	WHANGAREI	3200	RANGITOTO	1800	WHATIPU	1200	MENZIES BAY	2500	WHAKATANE	3000	KUMEU RIVER	2000
8/05/2025	WHANGAREI	6450	GREENHITHE/VIADUCT	3200	FAVONA	3500	MONTHLY CHECKS	0	ROTORUA LAKES	3000	HELENSVILLE	1000
12/05/2025	OPUA	2000	WAIHEKE	3200	DRURY	1500	HEATHCOTE RIVER	2000	TAURANGA	800	GLENFIELD	3500
13/05/2025	OPUA	2500	MATOTAPU/RANGITOTO	3700	NAYLORS DRIVE	400	CHRISTCHURCH ESTUARY	3000	MAKETU/KAITUNA CUT	1200	LUCAS CREEK	2000
14/05/2025	OPONONI	1900	RANGITOTO/BAYSWATER	1200	TAKANINI	4000	AVON RIVER	2000	WAIHI BEACH	3000	OTAHUHU	3000
15/05/2025	OPUA	4000	WEST GREEHITHE	3800	WAIUKU	2000	TAYLORS MISTAKE	2000	TAURANGA	2500	KUMEU RIVER	2500
16/05/2025	OPONONI	1000	TAMAKI	2200	LAINGHOLM	1000	MAGNET BAY	500	TAURANGA HARBOUR	4500	HELENSVILLE	1200
17/05/2025	DAY OFF	0	DAY OFF	0	DAY OFF	0	DAY OFF	0	TAURANGA HARBOUR	6500	FIRTH OF THAMES	6000
19/05/2025	WHANGAREI	2000	TAMAKI	2000	MAHUNGA	2000	BIRDLINGS FLAT	1500	TAURANGA/YARD	1500	MIRANDA	2500
20/05/2025	WHANGAREI	2000	RANGITOTO	2000	FAVONA	3500	WAIMAKARERE	1500	TAURANGA HARBOUR	1800	WAIHEKE	3000
21/05/2025	WAITANGI	3200	ALBANY CREEK & SURROUNDS	2100	MURIWAI	1200	NEW BRIGHTON	2000	TAURANGA	1000	FIRTH OF THAMES	6000





Community Engagement for this Quarter

Aotearoa Dive

The Outflow Trust

Oratia Primary School

Tirimoana School

Te Atatu Endeavour Sea Scouts

Glen Eden Intermediate

ACG Sunderland Karaka

Manukau Harbour Symposium

Flying Fish

ASB

Edmonton Scouts

AIG

Hilti

Mainfreight

Te Runanga o Otakou

Nestle

Lion Breweries

Coca Cola

Auckland Council

Fidelity Life

Henderson Primary

Dentsu

Our Backyard Trust

Ruakaka Primary School

Young Navigators

Wright Family Foundation

Foodstuffs NZ

Avondale College

Hyatt Hotel

Whareroa Marae

Tauranga City Council

Orewa Marae









SEA CLEANERS | Marine Litter Impact Summary

Total Marine Litter Removed Since Inception (Dec 2002 – May 2025):

20,230,112 litres | Estimated 200+ million pieces

Equivalent to **674** full shipping containers of loose litter removed from New Zealand's marine and freshwater environments.

Extrapolated Audit Analysis Summary

Based on comprehensive litter audits conducted, the following averages have been established:

- Average Weight per 50L Bag: 7.2 kg
- Average Number of Items per 50L Bag: 519 pieces
- Percentage of Items Made of Plastic (by count): 83.9%
- Plastic Items per Litre (average): 6.38 pieces

Using this data, we can extrapolate the total litter collected over the full 20,230,112 litres:

Estimated Breakdown of Litter Types (by Item Count)

Total Items Collected (est.): 200,000,000+

Estimated Breakdown of Litter Types (by Item Count)

Total Items Collected (est.): 200,000,000+

Litter Category	Estimated % of Total Items	Estimated Total Pieces
Plastic Bottles & Containers	8.5%	17,000,000
Plastic Wrappers, Food Packets, Bags	12.5%	25,000,000
Foam & Polystyrene Pieces	7%	14,000,000
Broken Plastic / Microplastics	36%	72,000,000
Miscellaneous Plastic Items	20%	40,000,000
Alloy Cans, Tins, Foil	2%	4,000,000
Glass Bottles / Broken Glass	1.5%	3,000,000
Fishing Gear (Rope, Nets, Floats, Line)	2%	4,000,000
Clothing, Shoes, Toys, PPE	4%	8,000,000
Other (Paper, Card, Wood, Unknown)	6.5%	13,000,000

Note: These figures are extrapolated from Sea Cleaners' standardized audit methodology and applied proportionally across the 20+ million litres collected.

Plastic Focus Summary

- Total Plastic Pieces (est.): 168 million
- Volume of Plastics Removed (est.): Over 16 million litres
- Plastic Percentage by Count: 83.9%
- Plastic Percentage by Volume (approx.): ~80%
(Noting that plastics are lightweight and take up large volume compared to metals or glass)

Impact at Scale

- Shipping Container Equivalent (loose fill): 674+
- Volunteer Hours Enabled: 190,329+ hours
- School Presentations Delivered: 1,500+
- Students Reached: Over 160,000

Since 2002, Sea Cleaners has removed over 20 million litres of litter—equating to more than 200 million individual pieces—from New Zealand's marine and freshwater environments. Audit data reveals that a staggering 84% of these items are plastic, highlighting the scale of pollution threatening our oceans. This effort represents more than 674 shipping containers' worth of waste intercepted before it could cause irreversible harm to marine life and ecosystems. Every piece counted is a piece that won't end up in the stomach of a seabird or a turtle, wrapped around a dolphin, or floating in the Pacific gyre. This is not just cleanup—it's frontline environmental protection at scale.







Recycling Alliance: Waste Stream – A Collaborative Model for Landfill Diversion and Circular Economy Impact

1. Executive Summary

The “Recycling Alliance – Waste Stream” is a developing, innovative partnership between Sea Cleaners, Northland Waste, Futurepost & NILO, joining Plasrock, and Mammoth soon. This collaboration is diverting significant volumes of waste from landfill, transforming them into commercially valuable products, and strengthening the circular economy in Aotearoa New Zealand. This model can scale to deliver even greater impact across New Zealand and the wider South Pacific.

2. Sea Cleaners’ Role in the Waste Stream Alliance

Sea Cleaners operates a national fleet that removes waste from the marine environment. Despite high contamination levels (mud, silt, photo-degradation), 70% of our collected material is diverted to Northland Waste. While this marine-derived waste has limited recycling potential, our alliance with Northland Waste ensures a second life for what can be salvaged.

3. The Role of Northland Waste

Northland Waste processes not only our marine waste, but also recovers four times more plastic monthly from the general public. Through the Alliance, these plastics are redirected from landfill and sent to Futurepost, who repurpose them into sustainable fence posts used locally and abroad.

4. Futurepost: Creating a Marketable Product

Futurepost plays a pivotal role in the Alliance by manufacturing durable, 100% recycled plastic fence posts. These products serve the farming, horticulture, and viticulture sectors in New Zealand, and are now reaching global markets, proving the commercial viability of upcycled marine and consumer waste.

5. NILO: Innovation with Unusable Plastics

Plastics that Futurepost cannot process will soon be redirected to NILO, an innovation hub developing glue adhesives for particle board used in the construction industry. This creates a solution for the lowest-grade plastics and reduces reliance on virgin chemical components.

6. Plasrock and Mammoth: Closing the Loop

We are also looking to integrate Plasrock and Mammoth into the Alliance. Plasrock converts surplus plastics into concrete aggregate, while Mammoth repurposes them into building insulation materials, both furthering our landfill diversion and contributing to sustainable building practices.

7. Environmental and Social Impact

This collaboration:

- **Diverts Tonnes of plastic from landfill monthly**
- **Reduces carbon emissions through local processing and production**
- **Promotes green jobs in waste innovation sectors**
- **Educates communities through Sea Cleaners' outreach**

8. Conclusion and Vision

The Recycling Alliance: Waste Stream is more than a recycling initiative – it's a blueprint for collaborative innovation in environmental stewardship. Together, we are proving that a circular economy is achievable, even with heavily contaminated waste streams.

