International Coastal Clean-up Day 2022

Activity report

A collaboration between –

The Committing to Sustainable Waste Actions in the Pacific (SWAP)

The Pacific Ocean Litter Project (POLP)

The Korea Institute of Ocean Science & Technology Project (KIOST)

International Coastal Clean-up Day 2022

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A COLLABORATION BETWEEN

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THE KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY PROJECT (KIOST)

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1. INTRODUCTION

1.1. Background about the International Coastal Cleanup Day

The International Coastal Cleanup Day is an annual event that takes place on the third Saturday of September. The event is organized by Ocean Conservancy[1], a nonprofit environmental advocacy group based in Washington, D.C., United States wich work is focused on solving some of the greatest threats facing our ocean today. They bring people, science and policy together to champion innovative solutions and fight for a sustainable ocean.

This International Coastal Cleanup Day brings volunteers together to clean up marine debris from beaches, rivers, and waterways and is supported by over 100 countries worldwide. In 2021, over 318,000 volunteers came together to collect 5,595,330 pounds of trash along 27,200 kilometres of beaches and waterways. Since the first ICC in 1986, more than 17 million volunteers have collected more than 348 million pounds of trash in 150 countries around the world. 2022 marked the 36th year of the ICCD.

1.2. Involvement of SPREP in International Coastal Clean-up Day 2022

The problem of marine litter is a global issue that impacts the environment, people, and economies around the world. Engaging people in the preservation and cleaning of coastlines is crucial to the conservation of the ocean. In support of Pacific islands and their efforts to maintain a healthy and sustainable environment, SPREP, through the "Committing to Sustainable Waste Actions in the Pacific (SWAP[2])" and the Pacific Ocean Litter Project (POLP[3]), in partnership with the Korea Institute of Ocean Science & Technology (KIOST), participated in the International Coastal Clean-up Day 2022 by funding 24 communities.

A total of 2,021 volunteers joined from six (6) participating countries and French territories, namely Cook Islands (1 activity), Fiji (4 activities), Samoa (4 activities), Solomon Islands (11 activities), Vanuatu (1 activity) and Wallis and Futuna (3 activities).

The SWAP, POLP and KIOST projects allocated US$3,000 funds to 23 organizations for 24 activities (MNRE in Samoa implemented 2 activities) to cover logistical expenses such as garbage bags, protective equipment, mobility costs, refreshments, etc. The organizations were also asked to produce audio-visual materials to promote their actions and raise awareness for the Pacific Islands and beyond. SPREP issued a call for applications through Circular 22/60 (Appendix 1) on 21 July 2022 and received 25 compliant applications by the deadline of 12 August 2022. All 25 submitted applications were selected, but only 24 activities were implimented. Letters of Agreement were signed between SPREP and the organizations to formalize the partnership.

[1] https://oceanconservancy.org/
[2] https://www.sprep.org/SWAP/sustainable-waste-actions-in-the-pacific-swap
[3] https://www.sprep.org/polp

2. ABOUT THE ASSOCIATIONS INVOLVED

The details of the 23 organizations supported by SWAP, POLP and KIOST to participate in the International Coastal Cleanup Day 2022 are provided in the table below, according to the order in which the application forms were received.

Organisation Name	Country / Territory	Project Manager	Contact details
Te Ipukarea Society	Cook Islands	Alanna Smith	alannamatamaru@gmail.com
SRWMA	Samoa	Telefina Sio	fina.sio@srwma.ws
A Vaka Heke	Wallis and Futuna	Stéphanie Vigier	avaka.heke@gmail.com
MNRE (X 2)	Samoa	Seumaloisalafai Afele Faiilaga	afele.faiilagi@mnre.gov.ws
Positive Change For Marine Life (PCFML)	Solomon Islands	Zelda Hilly	z.hilly@pcfml.org.au
Plasticwise/gizo (PWG)	Solomon Islands	Rendy Solomon	solomonrendy@gmail.com
Temotu Provincial Government (TPG)	Solomon Islands	Gabrial Teao	pstemotu@gmail.com
Ward Development Committee (WDC)	Solomon Islands	Malasy Malakia	MMalakia@fisheries.gov.sb
Vanuatu Climate Action Network (VCAN)	Vanuatu	VCAN Secretariat: George Koran	margaretted@oxfam.org.au
Association des pêcheurs « Faiva Tautai »	Wallis and Futuna	Tamiano Lie	baptiste.jaugeon@agripeche.wf folinoaneti@gmail.com
Association Foyer Socio Educatif Collège (FSE) VAIMOANA	Wallis and Futuna	Margareth BRINGOLD, secrétaire du FSE	Margareth.bringold@ac-wf.wf bringoldmakalita@live.fr
Guadalcanal Province Government	Solomon Islands	Willie Kokopu	wiwikops@gmail.com
Communities of Nakawaga, Ligaulevu and Vesi of Mali Island, and Vorovoro Island	Fiji	Seru Moce	goliqolicokovata@gmail.com mnakoroi@gmail.com
Cagimaiwai Women's Club	Fiji	Opeti Balenaisa Vateitei, Prinicpal Project Officer	opetivateitei@gmail.com
Community Centred Conservation - Fiji Program (C3Fiji)	Fiji	Asena Steiner	asena@c3fiji.org c3fijifield@gmail.com
Samoa Conservation Society	Samoa	Aloma Black	alomavblack@gmail.com
Tulagi Zone 3 Waste Champions	Solomon Islands	Julienne Leinga,	halaileo108@gmail.com
Environment & Conservation Division, MECDM	Solomon Islands	Patrina Millie	patrinamillie@gmail.com
Friends of the city	Solomon Islands	Mr Yvan Grima	gyvan2013@gmail.com

Organisation Name	Country / Territory	Project Manager	Contact details
Resilience, innovation and Social Change Girls Club (RISC-GC)	Solomon Islands	Bobby Siarani	siarani.b@gmail.com
Waste Management and Control Division (WMCD) of Honiara City Council	Solomon Islands	Mr. Andrew Nixon	patrinamillie@gmail.com
Pacific Ocean Litter Youth Project (POLYP) -USP & Suva Harbour Foundation	Fiji	Andrew Paris	andrew.w.paris@gmail.com

Table 1: Association details

3. DATA COLLECTION TRAINING

3.1. Purpose of the training

The main goal of these activities was to involve participants in collecting and sharing data on marine litter. To achieve this, Sustainable Coastlines[4], a New Zealand charity, provided two 2-hour training sessions, one in English and the other in French. All participating organizations were required to attend one of the sessions. The training covered how to safely conduct a beach cleanup and how to perform a statistical waste survey and audit using the United Nations Methodology. The training materials are provided in Appendix 2.

3.2. Goal of a statistically reliable waste survey and audit

The goal of conducting a statistical waste survey is to carefully assess the types of waste found within a specific area. Instead of simply categorizing waste by broad categories, such as plastic or metal and so on, it is important to identify the specific types of waste, such as bags, shoes, bottles, food containers, etc, in order to trace their origins and implement targeted solutions. Waste audits can be useful for informing decision makers when creating waste management policies. Overall, the purpose of these surveys is to provide valuable insights and inform action to address waste issues.

3.3. Data collection and sharing

After receiving trainings, organizations were invited to share their data and survey results on the Litter Intelligence Application[5] developed by Sustainable Coastlines. Out of the twenty-four activities carried out, only ten organizations submitted their data to the application including Samoa Conservation Society which sumitted data for two sites. However, only five of these submissions had accurate numbers compared to the data in their submitted reports. The remaining fourteen organizations conducted waste audits but did not submit them online to Litter Intelligence. Instead, they kept written records of their audits and submitted them as part of their reports. The waste audit data from the ten organizations that submitted to Litter Intelligence can be found at the following links.

The following five organisations submitted the right data for their waste audits to Litter Intelligence:

- Samoa by **Samoa Conservation Society & Global Shapers Apia Hub** at 2 sites
    - Mulinuu Seawall - Apia Yacht Club adjacent: https://litterintelligence.org/data/survey?id=1848
    - MET Office adjacent : https://litterintelligence.org/data/survey?id=1849
- Samoa by the **Ministry of Natural Resources and Environment** at Malaela Reserve: https://litterintelligence.org/data/survey?id=2524
- Solomon Islands by **Resilience Innovation and Social Change Club** (RISC-GC) at Mataniko coastal area: https://litterintelligence.org/data/survey?id=2190
- Solomon Islands by **WMCD of Honiara City Council** at Karaina Coastal front/West Honiara : https://litterintelligence.org/data/survey?id=1842
- Wallis & Futuna by **FSE Vaimoana** at Lavegahau Area: https://litterintelligence.org/data/survey?id=1856

The data submitted by the following organisations is not occurate as there are differences between the data shared on the Litter Intelligence Application and the audit results shown in their activity report:

[4] https://sustainablecoastlines.org/
[5] https://litterintelligence.org/

- Solomon Islands by **Tulagi Zone 3 Waste Champions** at Marine Beach Front : https://litterintelligence.org/data/survey?id=1862
- Solomon islands by **Guadalcanal Provincial Fisheries**/ Tiaro MMA at Tiaro Primary/ Community High School Beach : https://litterintelligence.org/data/survey?id=2191
- Solomon Islands by **MECDM**/ Environment and Conservation Division at Mataniko river mouth : https://litterintelligence.org/data/survey?id=1840
- Solomon Island by **Positive Change for Marine Life** at Gizo TC beach : https://litterintelligence.org/data/survey?id=1871
- Wallis and Futuna at **A VAKA HEKE** at Akaaka: https://litterintelligence.org/data/survey?id=1833

The detailed data shared on the Litter Intelligence Application is shown in Appendix 3.

Based on the data shared on Litter Intelligence, 13,854 items weighing 1,320 kilogrammes of waste were collected and audited. The results of the waste audit shows that plastic items accounting for 52% of the litter collected from the survey area, including 3,428 (48% of plastic items) of Plastic Bottles. In terms of weight two main indentified categories of rubbish (this does not include the "other" category) collected are Metal (23% of the weight) and Plastic (15% of the weight).

The diagrams below show the breakdown of waste by category, in terms of items collected and weight.

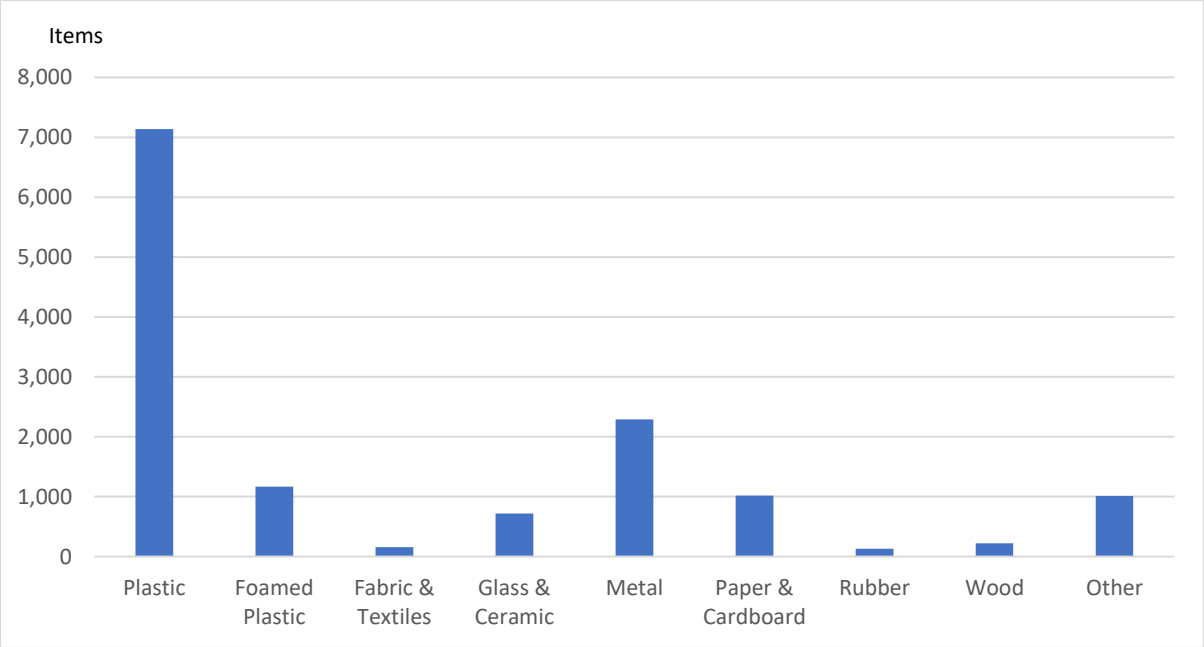

Figure 1: Distribution of waste by category, in terms of items, collected at the International Coastal Clean-up Day 2022 – Source : Litter Intelligence Application

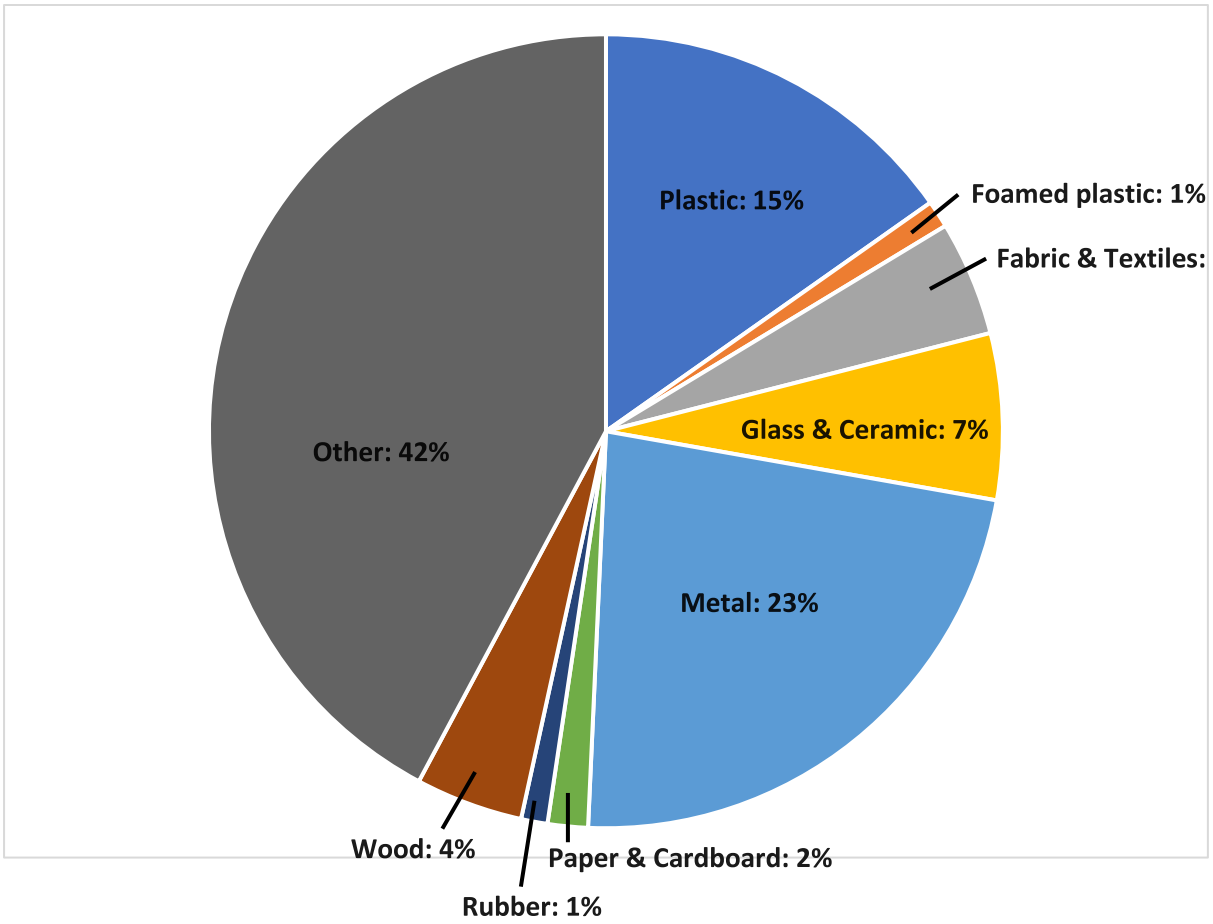

Figure 2: Distribution of waste by category, in terms of weight (%), collected at the International Coastal Clean-up Day 2022 – Source : Litter Intelligence Application

In 2021, ten associations participated in the Internataional Coastal Clean-up Day, and seven surveys were submitted in the Litter Intelligence. The outcomes of these surveys were 4,218 items of rubbish collected and audited, which represented approximetaly 357 kilos of waste (see breakdown in the table below). Plastic was the main waste category encountered in 2021.

Type of products	TOTAL			
	Count	Weight (kg)	Count (%)	Weight (%)
Plastic	2,330	124	55%	35%
Foamed Plastic	71	4	2%	1%
Metal	537	39	13%	11%
Paper Cardboard	264	10	6%	3%
Fabric & Textiles	235	37	6%	10%
Glass & Ceramic	373	58	9%	16%
Rubber	122	67	3%	19%
Wood	99	12	2%	3%
Other	187	6	4%	2%
TOTAL	**4,218**	**357**	**100%**	**100%**

Table 2: Distribution of waste collected and audited in 2021

4. OUTCOMES OF THE SWAP ACTIVITIES

The information presented below are a summary of the 24 final reports submitted by the organisations that received funding support from SWAP, POLP & KIOST for their involvement in the International Coastal Cleanup Day 2022 and compiled in Appendix 4.

4.1. Clean-up actions conducted

During the International Coastal Cleanup Day 2022, SWAP, POLP and KIOST supported 24 activities from six (6) participating countries and French territories, namely Cook Islands (1 activity), Fiji (4 activities), Samoa (4 activities), Solomon Islands (11 activities), Vanuatu (1 activity) and Wallis and Futuna (3 activities). The activities were carried out by 2,147 volunteers who collected and removed approximately 7750 kilos of waste from the natural environment.

The actions carried out by the 24 associations are outlined below.

4.1.1. Activity conducted by Te Ipukarea Society – Cook Islands

Overview of the activity:

The school located near Social Centre Beach has expressed concern over the poor disposal habits of the community and visitors. Despite the presence of rubbish bins, the beach is frequently littered with waste. The International Coastal Clean-up Day 2022 event provided an opportunity to not only clean up the area, but also collect data on the waste issue. Through the production of video content with awareness raising messages, the school hopes to encourage positive environmental behavior. The impact of these messages will be assessed in the next school clean up event and waste audit.

Location: Rarotonga Cook Islands, Social Centre Beach

Figure 3: Clean-up areas: Social Centre Beach Rarotonga Cook Islands – Te Ipukarea Society

Participants: 620 people (220 females, 100 males and 300 children under 18).

Weight of collected waste: 96.30 kilos

Type of waste	Weight (in kg)
Plastic	28.7
Aluminium cans (Metal)	13.1
Glass	42.5
Cardboard	8
Other (E-waste)	4
TOTAL	**96.3**

Table 3: Distribution and weight of waste audited by Te Ipukarea Society

4.1.2. Activity conducted by Samoa Recycling & Waste Management Association (SRWMA) - Samoa

Overview of the activity:

The team traveled to Savaii a day before the clean-up to set up and monitor the operation. On the day of the event, teams collected and sorted rubbish along the coast before weighing the waste. After the clean-up, the team conducted a debrief on the amount of trash collected and thanked the participants. Refreshments were provided and a group photo was taken.

Location: Salelologa Area, Savaii, Samoa

Figure 4: Clean-up areas: Salelologa Savaii – SRWMA

Participants: 46 people (18 females, 17 males and 11 children under the age of 18)

Weight of collected waste: 8 kgs

Type of waste	Weight (in kg)
Plastic bottles	2
Plastic bags	1
Aluminium cans	1
Bottle lids	1
Paper and Cardboards (Coffee cups)	1
Glass bottles	1
Broken glass	1
TOTAL	**8**

Table 4: Distribution and weight of waste audited by SRWMA

4.1.3. Activity conducted by A Vaka Heke - Wallis

Overview of the activity:

A team of volunteers collected waste in a designated area of 100m x 20m between the beach and the riprap, as well as on land in front of club A VAKA HEKE. Some waste was also collected outside of the designated area and was considered in this report.

In addition to waste collection, the team also raised awareness through interactive games and workshops. Refreshments were provided to volunteers using sustainable and ecological materials, such as coconut and palm branches. Overall, the event was successful in both cleaning up the coast and educating the community on the importance of waste management.

Location: Aka'aka, Wallis and Futuna, infront of A Vaka Heke.

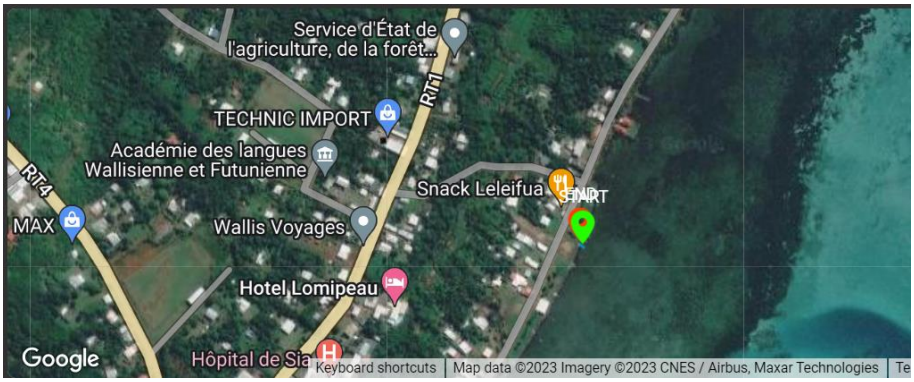

Figure 5: Clean-up area: Aka'aka, Wallis and Futuna – A Vaka Heke

Participants: 61 people (21 females, 16 males and 24 children under the age of 18)

Weight of collected waste: 594.45 kilos

Type of waste	Weight (in kg)
Plastic other	273.30
Plastic sheet	20
Plastic bottles > 2L	0.024
Food wrappers	0.112
Plastic fragments	10.00
Rope	7.5
Lighter	0.05
Cigarette filters	0.06
Fishing net	102.00
Toys	0.10
Aluminium cans	7.7
Boat anchor	23.6
Metal impeller	150.00
TOTAL	**594.45**

Table 5: Distribution and weight of waste audited by A Vaka Heke

4.1.4. Activity 1 conducted by MNRE - Samoa

Overview of the activity:

- **Clean-up**: The clean-up area was measured and marked with GPS and the volunteers were firstly briefed of the event and for safety measures. All litter along the area was collected and auditors were responsible with the sorting, weighing, count and recorded.
- **Audit data and analysis**: Generally, the number of materials collected may different from village to village considering the size, population and development activities. The audit team adopted the audit methodology developed by Litter Intelligence for coastal and marine litter audit. However, the team were not able to install the application but manually recorded the data on the provided forms.

Location: Malaela Coastal Area, Samoa

Participants: 61 people (21 females, 16 males and 14 children under the age of 18)

Figure 6: Clean-up areas: Malaela, Upolu Samoa – MNRE

Weight of collected waste: 42.47 kilos

	Type of waste	Weight (in kg)
Plastics	Plastic caps (PLO1)	1.82
	Plastic utensils (PLO4)	0.01
	Food wrappers (PLO7.01)	2.95
	Food containers (PLO6)	1.1
	Plastic bags (PLO7)	1.85
	Syringe (PL12)	0.01
	Plastic sheeting (PL16)	2.15
	Bottles (PLO2)	10.25
	Unidentifiable hard plastic fragments (PL24.01)	2.65
METAL	Aluminium drink cans (ME03) 3	3.8
	Bottle caps (ME02)	0.9
	Construction materials (ME09)	2.55
	Metal vehicle parts (ME10.2)	1.8
RUBBER	Tyres (RB04)	1.5
	Rubber footwear (RB02)	3.35
FABRIC & TEXTILES	Clothing, towels and linen (CL01)	2.15
GLASS & CERAMIC	Bottles (GC02)	1.63
	Glass or ceramic fragments (GC07)	2
	TOTAL	**42.47**

Table 6: Distribution and weight of waste audited by MNRE at Malaela Reserve

4.1.5. Activity 2 conducted by MNRE - Samoa

Overview of the activity:

- **Clean-up**: The clean-up area was measured and marked with GPS and the volunteers were firstly briefed of the event and for safety measures. All litter along the area was collected and auditors were responsible with the sorting, weighing, count and recorded.
- **Audit data and analysis**: Generally, the number of materials collected may be different from village to village considering the size, population and development activities. The audit team adopted the audit methodology developed by Litter Intelligence for coastal and marine litter audit. However, the team were not able to install the application but manually recorded the data on the provided forms.

Location: Puipaa Coastal Area, Samoa

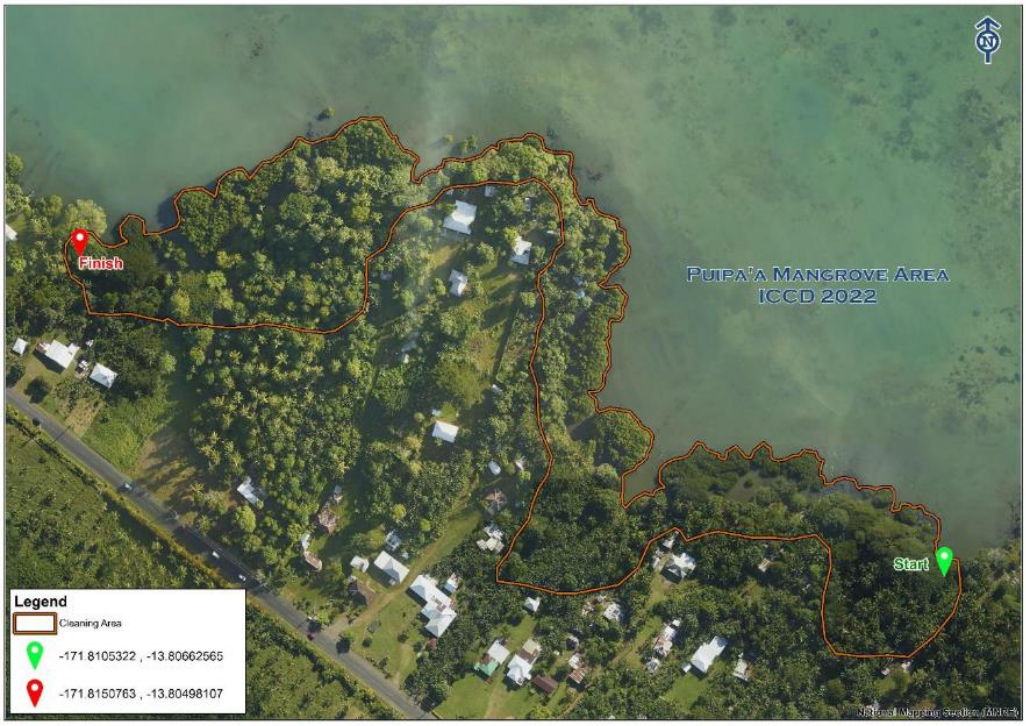

Figure 7: Clean-up areas: Puipaa, Upolu Samoa – MNRE

Participants: 143 people (45 females, 54 males and 44 children under the age of 18)

Weight of collected waste: 1,961.65 kilos

	Type of waste	Weight (in kg)
Plastics	Plastic product packaging (PLO1)	14.6
	Plastic caps (PLO1)	0.104
	Clear plastic bags (PL07)	11.35
	Food containers (PLO6)	15.87
	Plastic bottles (PL02)	53.95
	Plastic drums (PL24.01)	1.00
	Fishing nets (PL20)	44.8
	PVC pipes (PL24.08)	3.8
	Plastic buoy (PL14)	2.1
	Cone (PL24.05)	3.9
	Plastic crate (PL24)	2.6
	Fishing lines (PL18)	0.52
	Other hard plastics (PL24.01)	7.2
METAL	Metal caps (ME03)	0.63
	Metals/Steel (ME09)	40.35
	Aluminium cans (ME03)	3.06
	Ferrous cans (ME04)	30.95
	Construction materials (ME09)	2.65
GLASS & CERAMICS	Glass and ceramic fragments (GC07)	32.5
	Glass bottles (GC02)	38.95

	Type of waste	Weight (in kg)
RUBBER	Tyres (RB04)	11.6
	Rubber footwear (RB02)	27.27
FABRIC & TEXTILES	Carpets (CL05)	1.2
	Clothing, towels and linen (CL01)	1,589.8
OTHER	Appliances & electronics (OT03)	18.4
	Cistern (OT05)	2.5
	TOTAL	**1,961.65**

Table 7: Distribution and weight of waste audited by MNRE at Puipaa Coastal Area

4.1.6. Activity conducted by Positive Change For Marine Life (PCFML) – Solomon Islands

Overview of the activity:

On the 17th and the 18th of September 2022, a team of divers from Positive Change for Marine Life (PCFML), Dive Gizo, Western Solomons Surfers Association (WSSA), and Western Province Network for Sustainable Environment (WPNSE) conducted two underwater clean-up activities in Gizo Harbour. Partner organizations and members of the public participated in the clean-up, and the Gizo Town Council (GTC) assisted with transportation of collected waste to the local waste facility. Over two days, the team collected an estimated 63,000 items, with aluminium cans being the most common type of rubbish found. Glass bottles, plastic bottles, and mixed plastics were also prevalent.

- **Beach Survey:** On the morning of the beach survey, a team of 13 people, including staff and volunteers from PCFML, members of WPNSE and WSSA and students, set out to TC Beach located south-west of Gizo Island. This well-known beach is made up of white sand with some granite pebbles and rocks. In 2007, a devastating earthquake and tsunami dramatically altered the beach's features, with the high-water mark now inland and covered in vegetation. The team measured a survey area of 100m by 10m. Due to high winds, the waste audit was completed at the PCFML station. A total of 278 items were collected, weighing 7.7kg. Plastic items made up the majority of the waste, followed by fabric & textiles, other, metal, glass an&d ceramics, rubber, foamed plastics, and paper & cardboard.

Location: Clean-up activity was conducted at two sites:

- Gizo habour
- TC beach is located south-west of Gizo Island between Niumada and Malakerava

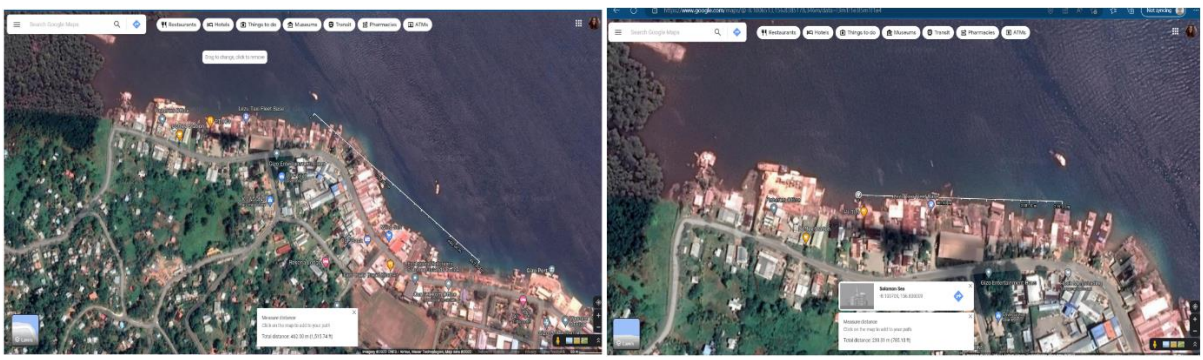

Figure 8: Clean-up areas: Dive 1. PT109 – KHY area & Dive 2. KHY Area to Gizo Market coastal front, Gizo, Solomon Islands – PCFLM

Figure 9: Clean-up areas & Beach Survey: TC Beach, Gizo, Solomon Islands – PCFLM

Participants: 43 people (8 females and 35 males)

Weight of collected waste:

- Underwater clean-ups: unestimated
- Beach clean-up: 8.46 kilos

Type of waste	Number of bags (30 L)	Estimated Quantity (volume, number, etc)
Plastic caps (PLO1)	200	40,000
Glass bottles	50	10,000
Fabrics and textiles	1	200
Mix tins	1	200
Sanitary items	1	200
Sacks	1	200
Rubber		15
Plastic umbrellas		9
Mineral bottle water plastic	10	2,000
Batteries		1
Plastic containers		11
OBM parts		5
Seawash		11
Butane gas bottles	1	
Fiber glass material		3
Metal		17
G-pipes		11
Hard and soft plastics mixed	52	10,400

Table 8: Distribution of waste audited by PCFML for Underwater Dive Clean-Ups

Type of waste	Weight (in kg)
Rubber footwear.	0.29
Clothes, towels, linen.	1.338
Unidentified cloth fragment (specify).	0.37
Polystyrene cups or food packs.	0.06
Polystyrene insulation or packaging.	0.012
Other foamed plastic.	0.013
Glass or ceramic fragments.	0.99
Food wrappers	0.077
Plastic bags	0.543
Lollipop sticks	0.002
Pen and stationary	0.002
Unidentifiable hard plastic fragments.	0.866
Straws	0.002
Resin pellets	0.002
Rope	0.05
Sanitary items	0.41
Carpet & furnishing	0.354
Cardboard boxes	0.004
Other paper & cardboard	0.023
Unidentified metal fragment	0.026
Batteries (household)	1.038
Appliances and electrical	0.08
Bottles <=2L	0.67
Food container	0.006
Bottle neck rings	0.001
Toys, sports and recreation (rubber)	0.003
Other cans & containers (<=4L)	0.832
Aluminium drinks can	0.17
Bottle caps, lids & pull tabs	0.001
Paraffin or wax	0.0003
Plastic utensils	0.221
Unidentified foamed plastic fragment	0.005
Unidentified cloth fragment	0.003
Hangers & retail packaging	0.006
Rope line or strings (natural)	0.001
Personal care items	0.004
TOTAL	**8.46**

Table 9: Distribution and weight of waste audited at TC beach is located between Niumada and Malakerava, Gizo Island

4.1.7. Activity conducted by PlasticWise/Gizo (PWG) – Solomon Islands

Overview of the activity:

On October 13th and 27th, 2022, the Plastic-wise Gizo organization successfully conducted their International Coastal Clean-up Day at two locations: Small Naru and Nusatupe. Small Naru is a popular destination for local families who visit for picnics and is known for its beautiful white sands and blue

seas. Nusatupe, located near the Gizo airport, is a popular destination for tourists traveling to the Western Province. The Coastal Clean-up Champagne was a success at both locations.

- **Audit Activity:** Audit data collection was conducted at small Naru, also known as Nusa Nane, on the 13th of October 2022. Onsite verification and measurement of the location were done the day before the audit was conducted. The methodology used for collecting the data is based on the Litter International Coastal Audit tools.There was a total of 36.43 kg of garbage collected during the audit collection, which was classified according to the litter categories sheet.
- **Coastal Clean- up Activity:**There are total of nineteen Plasticwise members who are participated in the coastal cleanup campain. The garbage collection clean-up campain was carried out on the western half of Nusatupe, at the western end of the island. All the garbage or rubbish collected during the coastal clean- up was sorted out according to 14 different litter classifications, with a total weight of 121 kg.

Location: 2 sites – Nusatupe & Small Naru

Figure 10: Clean Up Areas: First Image: Small Naru & Second Image: Nusatupe, Gizo, Solomon Islands – PWG

Participants: 33 people (22 females and 11 males)

Weight of collected waste:

- Small Naru (Nusa Nane): 36.43 kilos
- Nusatupe: 121 kilos
  ⇨ **Total: 157.43**

Type of waste	Naru (Nusa Nane) Weight (in kg)	Nusatupe Weight (in kg)
Plastic	8.83	24
Foam Plastic	1.5	1.5
Fabric and Textile	0.7	10.5
Glass & Ceramic	6.0	18.5
Metal	5.6	52
Paper & Cardboard	0.3	8.5
Rubber	1.0	-
Wood	11.5	-
Others	1.0	6.
TOTAL	**36.43 kg**	**121 kg**

Table 10: Distribution and weight of waste audited by PlasticWise/Gizo (PWG)

4.1.8. Activity conducted by Temotu Provincial Government (TPG) – Solomon Islands

Overview of the activity:

The activity undertaken includes the following.

i) Site inspection of the proposed clean up area. This includes consultation with residents near the clean-up area and agreement on the time to conduct;
ii) Identification of participants to do the clean-up and setting of date and time to do the clean up;
iii) Conduct of awareness with participants and members of the community on the importance of coastal clean up;
iv) Final briefing at the beach site on what to be done before actual work is done with the participants;
v) Conduct of clean up at Nella beach coastal area.

Location: Nella Beach is common place for communities in Nella settlement area and residents of Lata.

Participants: 44 people (20 female, 15 male, 9 children)

Weight of collected waste: 81 kilos (excluding Natural debris)

Type of waste	Weight (in kg)
Plastic	22
Bottles	3
Tins	16
Fabric	25
Iron & Aluminium	2
Sticks	13
TOTAL	**81 kg**

Table 11: Distribution and weight of waste audited by Temotu Provincial Government

4.1.9. Activity conducted by Lata Luava Ward 8 Development Committee (WDC) – Solomon Islands

Overview of the activity:

On October 5th, 2022, a team of volunteers and the project manager carried out a beach survey at Luava Beach to identify and demarcate the areas in need of cleaning. After a brief awareness session, the team was divided into groups and issued with cabbage bags for the cleaning. The team walked from the western end of the beach to the eastern end, collecting and sorting all forms of litter. The total area covered during the clean-up was approximately 500m. The waste collected was then transported to the landfill site for disposal.

Location: Luava Beach

Figure 11: Clean-up areas: Luava Beach, Solomon Islands – Lata Luava Ward 8 Development Committee

Participants: 25 people (8 female, 6 male and 11 children under 18 years old)

Weight of collected waste: 186.4 kilos

Type of waste	Weight (in kg)
Aluminium drink cans (Metal)	57.8
Butane Gass Bottles (Metal)	5.58
Bottles & Fragments (Glass)	9.64
Bottles <=2 liter (Plastic)	40.38
Unidentifiable soft plastic fragments (Plastic)	15.2
Unidentifiable hard plastic fragments (Plastic)	11.24
Clothing, towels (Fabric & Textile)	31.52
Bicycle tyre (Rubber)	11.8
Batteries Household (ABC Bat.) (Other)	3.24
TOTAL	**186.4 kg**

Table 12: Distribution and weight of waste audited by Lata Luava Ward 8 Development Committee

4.1.10. Activity conducted by Ward 9 Development Committee (WDC) – Solomon Islands

Overview of the activity:

Prior to the International Coastal Clean Up Day, the project manager carried out an awareness campaign to inform participants on how to properly conduct the activity. On 31st October 2022, the clean-up took place at Grasiosa Bay. The team was transported to the site and given a brief awareness before being divided into groups. Each group was issued with cabbage bags and began cleaning the beach. The waste collected was then audited and transported to the landfill site for disposal. The total area covered during the clean-up was approximately 500m.

Location: Grasiosa Bay

Figure 12: Clean-up areas: Graciosa Bay, Solomon Islands – Graciosa Bay Ward 9 Development Committee

Participants: 26 people (10 female, 10 male and 6 children under 18 years old)

Weight of collected waste: 186.4 kilos

Type of waste	Weight (in kg)
Aluminium drink cans (Métal)	87.90
Butane Gass Bottles (Métal)	10.58
Bottles & Fragments (Glass)	14.30
Plastic Bottles <=2 liter (Plastic)	50.50
Unidentifiable soft plastic fragments (Plastic)	28.00
Unidentifiable hard plastic fragments (Plastic)	20.24
Clothing, towels (Fabric & Textile)	66.00
Others –Batteries Household (ABC Bat.) (Other)	10.00
TOTAL	**287.52 kg**

Table 13: Distribution and weight of waste audited by Graciosa Bay Ward 9 Development Committee

4.1.11. Activity conducted by Vanuatu Climate Action Network (VCAN) - Erakor Ridge to Reef Management Committee - Vanuatu

Overview of the activity:

Before starting the clean-up, the participants were given protective equipment, T-shirts, and plastic bags provided by the Municipality and Erakor Express. At 8:00, a briefing was given on the survey steps

and participants were paired up. From 9:00 to 10:30, the Erakor youths surveyed the 100 meters from the beach to the sea. From 10:30 to 11:30, the Litter survey was completed. From 11:30 to 12:00, the Litter Audit was completed. The program ended at 12:30, and the youths were picked up for lunch.

Location: Emtem Lagoon Area

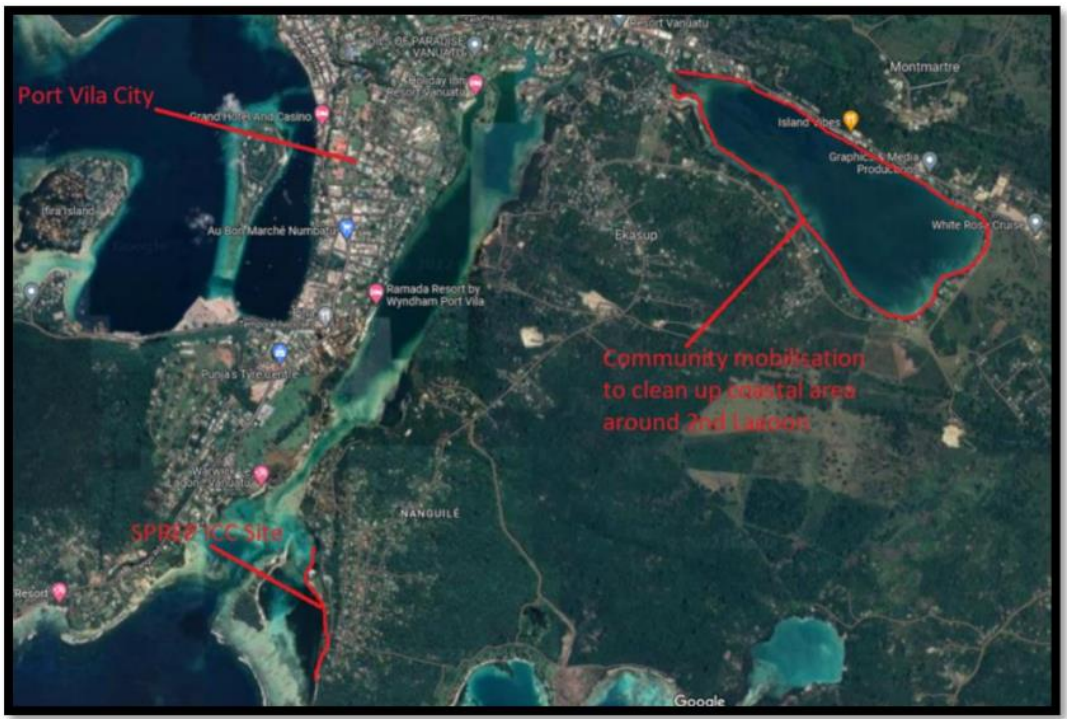

Figure 13: Clean-up areas: Emtem Lagoon, Vanuatu – Erakor Ridge to Reef Management Committee

Participants: 20 people (7 females, 5 males and 8 children under 18)

Weight of collected waste: 0.87 kilos

Type of waste	Weight (in kg)
Plastics	0.198
Glass and Ceramic	0.275
Metal	0.320
Paper and cardboard	0.074
Wood	0.005
TOTAL	**0.870**

Table 14: Distribution and weight of waste audited by Erakor Ridge to Reef Management Committee

4.1.12. Activity conducted by Association des pêcheurs « Faiva Tautai » - Wallis

Overview of the activity:

The cleaning activity was carried out according to the protocol issued by SPREP. An area of 100 m over 20 m was chosen to carry out the waste collection operation. Waste collected correspond to macro-waste greater than 5 cm. The program for the day was therefore next, meet for departure at the wharf of Mata'utu at 7:30 a.m. to arrive at the islet with around 7:45 a.m. Then the area chosen for the cleaning was identified and delimited in order to follow the protocol. Two teams were formed to be able to clean the entire area. Once the collection was completed, the waste was sorted and deposited

at the fisheries department in Wallis, where we were able to weigh them by category of waste (plastic, glass, polystyrene).

Location: Faioa Islet south of Wallis, on the coast exposed to the ocean

Figure 14: Clean-up areas: Faioa Islet south of Wallis - « Faiva Tautai » Fishermen Association

Participants: 14 people (3 women, 9 men and 2 children under 18)

Weight of collected waste: 9.127 kilos

Type of waste	Weight (in kg)
Toothbrush	0.025
Corks and bottle caps	0.034
Shampoo bottles	1.570
Canisters	0.435
rubber shoes	0.523
bricks	0.094
Fluorescent tubes	0.216
Bottles and jars	0.177
Bulbs	0.463
Foam buoys	1.252
Styrofoam insulation or packaging	0.243
Glass or ceramic fragments	0.293
Fragments of unidentifiable paper and cardboard	0.087
Pens	0.008
Strings	0.013

Type of waste	Weight (in kg)
Cups or packaging of food products	0.024
Plastic bag	0.003
Food packaging	0.052
Container	0.041
Fishing equipment	0.016
Bottle neck rings	0.004
Unidentifiable hard plastic	0.109
Gas cylinder	3.236
TOTAL	**9.127**

Table 15: Distribution and weight of waste audited by the « Faiva Tautai » Fishermen Association

4.1.13. Activity conducted by Association Foyer Socio Educatif Collège (FSE) VAIMOANA - Wallis

Overview of the activity:

Raising awareness around environmental issues throughout the year. Several actions have been carried out since the first participation in the program in 2021 regional:

- Waste analysis work on June 25, 2022 in the Lavegahau area;
- Cleaning work on the FAIOA island on July 15, 2022;
- Awareness work with the station WetF la 1ère for the preparation of the cleaning day;
- Participation in the International Coastal Cleanup Day at NUKUHIFALA Island.

Location: Lavegahau area

Figure 15: Clean-up area: Lavegahau area, Wallis - Association Foyer Socio Educatif Collège (FSE) VAIMOANA

Participants: 40 children under 18

Weight of collected waste: 67.84 kilos

Type of waste	Weight (in kg)
Plastic bottles	0.041
Bottle caps & lids	0.036
Bottles <= 2 L	42.868
Bottles, drums, jerrycans & buckets > 2 L	0.229
Food containers	0.005
Plastic bags	3.819
Food wrappers	0.004
Toys, sport, & recreation (Plastic)	6.850
Plastic buoys	2.000
Plastic sheeting	1.577
Fishing line	0.001
Rope	8.249
Fishing nets	26.950
Strapping bands & tape	0.042
Fibreglass fragments	0.739
Other Plastic	0.044
Unidentifiable hard plastic fragments	0.366
Cable ties & zip ties	0.002
Safety & construction related	1.421
Plastic vehicle parts	0.034
Polystyrene insulation or packaging	0.008
Toys, Sports & Recreation (Foamed Plastic)	0.090
Clothing, towels and linen	1.001
Backpacks & bags	0.023
Rope, line or string (natural)	2.729
Bottles & jars	1.650
Glass or ceramic fragments	1.396
Tableware	2.400
Metal Bottle caps, lids & pull tabs	0.016
Aluminium drink cans	0.494
Unidentifiable metal fragments	0.511
Construction material	1.512
Rubber footwear	0.317
Tyres	18.800
Inner-tubes and rubber sheet	0.075
Processed timber & pallet crates	0.465
Batteries (Household)	0.005
TOTAL	**67.842**

Table 16: Distribution and weight of waste audited by the Association Foyer Socio Educatif Collège (FSE) VAIMOANA

4.1.14. Activity conducted by Guadalcanal Province Government – Solomon Islands

Overview of the activity:

On October 22nd, there was a community clean-up at the Tiaro Bay Marine Managed area. Another clean-up was conducted on October 17th, during which a data survey was also conducted at the Tiaro Primary and Secondary School beach compound. The school participated in the clean-up activity that day. From October 13th, the group was in the Tiaro community for community-based fisheries resource management activities. The scheduled clean-up activity was planned for the 17th. In the early morning of that day, the clean-up activity began at the school beach compound with the participation of teachers and students from Tiaro Primary and Secondary School. However, the weighing scale that was brought for the activity malfunctioned due to a rough boat ride to the community. As a result, all of the collected rubbish had to be brought back to Honiara for proper weighing and disposal.

Location: Tiaro Primary and Secondary School, Tiaro Marine Managed Area, Tiaro Bay, West Guadalcanal

Figure 16: Clean-up area: Tiaro Primary & Secondary School, Tiaro Marine Area, Tiaro Bay, West Guadalcanal, Solomon Islands - Association Foyer Socio Educatif Collège (FSE) VAIMOANA

Participants: 48 people (10 women, 6 men and 32 children under 18)

Weight of collected waste: 2.56 kilos

Type of waste	Weight (in kg)
Bottle caps and lid (Pl 01)	0.03
Plastic Bottle (Pl02)	0.40
Plastic - Bag (Pl07)	0.80
Foam-Plastic (FP01)	0.04
Fabrick and Textile - Floor Carpet (Cl05)	0.70
Clothes (Cl01)	0.02
Fabrick and textile –Footwear shoes (Cl01.01)	0.50

Type of waste	Weight (in kg)
Metal- Aluminium cans (Me03)	0.04
MetalGas Bottle/Drum part (Me05)	0.03
TOTAL	**2.56**

Table 17: Distribution and weight of waste audited by Guadalcanal Province Government

4.1.15. Activity conducted by Communities of Nakawaga, Ligaulevu and Vesi of Mali Island, and Vorovoro Island - Fiji

Overview of the activity:

The event schedule on the 28th of October and began at 7.00am where all government stakeholders, CSO and NGOs assembles and departs Labasa, and travels to Mali Island by boat.

Mali Islands consist of 3 villages namely Nakawaga, Ligaulevu and Vesi. The team divided into three and team up with respective villages for clean-up activities. Registration were given to each team and the briefing is done by team leaders at 9.30am. Briefing focus on the priority International Coastal Clean-up Day 2022 – Activity Report – Qoliqoli Cokovata Management Committee objectives of the event, how to collect different type of waste, waste sorting, categorizes and weighing. Due to the geographical locations of this communities, each team has to travel and brief them accordingly and begin its clean up, waste sorting, weighing and record data that gathered from respective sites. A total of 682.5kg of waste were collected and transport by boat to Malau landing.

Location: Mali Islands - 3 villages; Nakawaga, Ligaulevu and Vesi

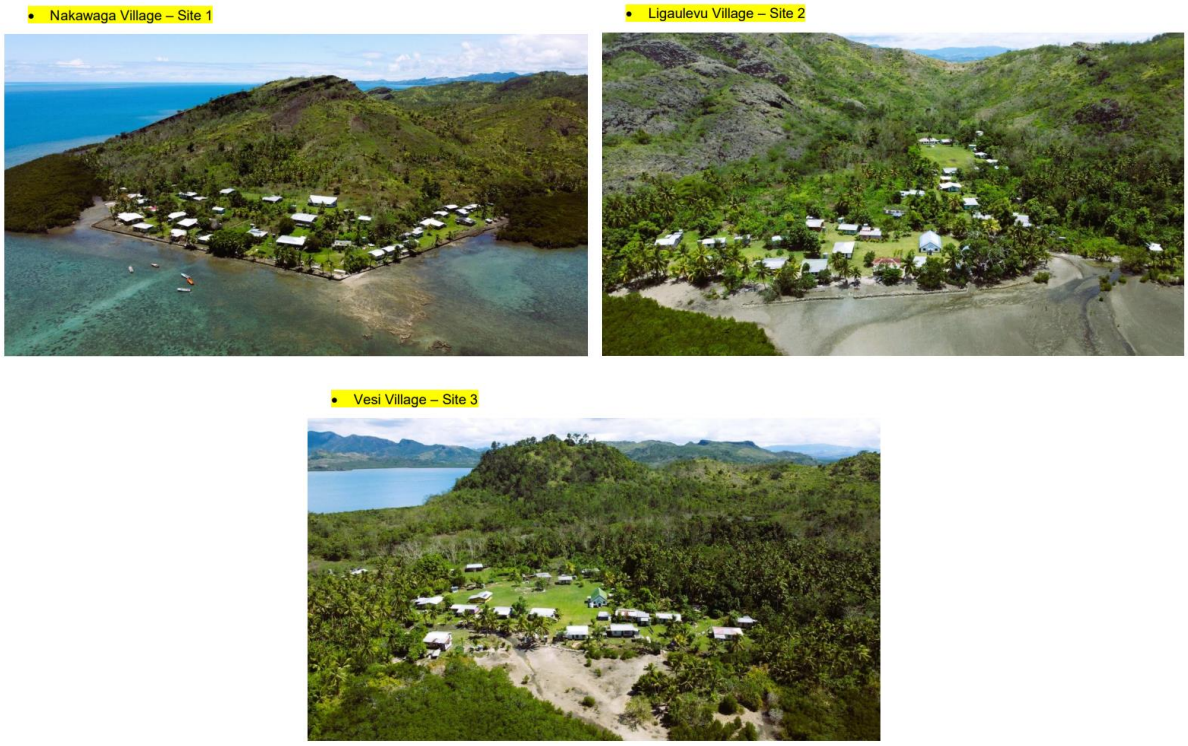

Figure 17: Clean-up area: Mali Islands - 3 villages; Nakawaga, Ligaulevu and Vesi, Fiji - Communities of Nakawaga, Ligaulevu and Vesi of Mali Island

Participants: 85 people (54 women and 31 men)

Weight of collected waste: 682.5 kilos

Type of waste	Weight (in kg)
Plastic	80
Large Plastic Items	56
Metals	120
Paper Cardboard	1.5
General Waste	140
Household waste	250
Others	35
TOTAL	**682.5**

Table 18: Distribution and weight of waste audited by Communities of Nakawaga, Ligaulevu and Vesi of Mali Island, and Vorovoro Island

4.1.16. Activity conducted by Cagimaiwai Women's Club - Fiji

Overview of the activity:

The group arrived at Kavewa Island and had breakfast in the village while waiting for the tide to go out. The Kavewa Women's Club, along with support from the village youths and men, were already assembled in the village hall. The cleanup began at 9:50am with the villagers making their way along the coast adjacent to the village, picking up rubbish as they went. They stopped halfway through and took the collected waste to an open area near the village hall, where it was sorted. After lunch, the group continued cleaning the outskirts of the village boundary until 2:45pm. The sorted rubbish was then audited and loaded onto boats for transportation to the mainland. The villagers were surprised

by the amount and variety of waste collected and have decided to make this a frequent activity for the protection of the environment. They also discussed implementing rubbish collection points throughout the village. The waste was then transported to the Labasa Landfill by a three tonne truck.

Location: Kavewa Village

Figure 18: Clean-up area: Kavewa Village, Fiji - Cagimaiwai Women's Club

Participants: 63 people (44 women and 19 men)

Weight of collected waste: 450.739 kilos

Type of waste	Weight (in kg)
Plastic	118.704
Foamed Plastic	2.16
Fabric & Textiles	207.5
Glass & Ceramic	76
Metal	25.5
Paper & Cardboard	3.92
Wood	0.615
Others	16.34
TOTAL	**450.739**

Table 19: Distribution and weight of waste audited by Cagimaiwai Women's Club

4.1.17. Activity conducted by Community Centred Conservation - Fiji Program (C3Fiji) - Fiji

Overview of the activity:

On Wednesday, 02/11/2022, five staff members from C3Fiji traveled to sleepover in various communities. Each staff member was responsible for coordinating a clean-up activity in their assigned village. The clean-up was scheduled for the following morning, when the tide was out. The activity took place the following day from 6am to 10:30am and had more than 75 participants in total.

C3Fiji distributed t-shirts, gloves, garbage bags, and sanitizers to the participants. The villagers appreciated the activity and learned a lot from it. Mr. Jovesa Serunisiga from Naividamu Village

commented that the activity was well-organized and that next time they would involve the whole village.

The villagers were surprised by the number of litter categories, as they were only familiar with the broad categories of paper, tin, plastics, glass, and wood. The specific litter categories helped them identify the main sources of litter in their communities.

The garbage collected from the clean-up activity was transported to the Labasa Landfill on the same afternoon for Naividamu, Raviravi, and Niurua. The garbage from Naqumu and Korotubu was transported on Friday morning.

Location: 5 sites

1. Korotubu Village
2. Naqumu Village
3. Niurua Village
4. Raviravi Village
5. Naividamu Village

Participants:

- Korotubu Village: 18 people (9 women and 9 men)
- Naqumu Village: 15 people (3 women and 12 men)
- Niurua Village: 14 people (9 women and 5 men)
- Raviravi Village: 17 people (3 women and 14 men)
- Naividamu Village: 10 people (6 women and 4 men)

Weight of collected waste: 571.41 kilos

Type of waste	Korotubu Village Weight (in kg)	Naqumu Village Weight (in kg)	Niurua Village Weight (in kg)	Raviravi Village Weight (in kg)	Naividamu Village Weight (in kg)
Plastic	46.80	65.91	6.30	13.90	2.20
Foamed Plastic		0.25	0.05		
Metal	33.00	65.00	0.80	18.60	2.80
Paper Cardboard	6.20	4.60	1.50		
Fabric & Textiles	15.00	41.20	33.00	27.80	5.60
Glass & Ceramic	48.00	22.50		3.60	3.90
Rubber		3.40		1.00	3.60
Wood		5.00		9.00	
Other	19.80	12.30	1.80	41.40	5.60
TOTAL	**168.80**	**220.16**	**43.45**	**115.30**	**23.70**

Table 20: Distribution and weight of waste audited by Community Centred Conservation - Fiji Program (C3Fiji)

4.1.18. Activity conducted by Samoa Conservation Society - Samoa

Overview of the activity:

The clean-up day was a one-day event aimed at achieving the following goals; (1) to collect and audit litter found within' the Mulinu'u Peninsula; (2) to raise awareness on the eco and social impacts of littering; and (3) getting the community involved with addressing/ removing sea litter.

Specific activities conducted on/for the day include:

- **1. Litter Collection:** Participants were divided into four main teams. Each team was given a distinct site to conduct a full sweep (i.e., collecting litter). Sweeps were conducted on both the land (walking) and in the sea (using Kayaks). Areas that were swept include; the side of the roads; on the rock armour seawall; within' recreational parks; and nearshore.
- **2. Litter Auditing.**
  - Litter from zone 1 and zone 2 was sorted into nine categories based on its material type; (1) glass, (2) cardboard and paper, (3) rubber, (4) fabrics and textiles, (5) plastics, (6) foam plastics, (7) metals, (8) wood, (9) Other. Within these categories, participants were able to sub-sort litter based on its purpose or description. For example, plastic eating utensils vs. plastic bottles.
  - The Sub-sorted litter was weighed and recorded.
  - Litter that could be recycled locally was arranged to be transported to the Samoa
  - Recycling and Waste Management Association (SRWMA).
- **3. Outreach activities/ Awareness-raising activities.**
  - Participants were informed on the impacts of littering, and the importance of removing litter from coastlines. Participants were also informed on the importance of conducting litter surveys.
  - Prior to the cleanup day, information regarding the event was shared across all social media platforms. During the event, there were 'post-updates' made to social media.

Location: Mulinu'u Peninsula, Apia, Samoa

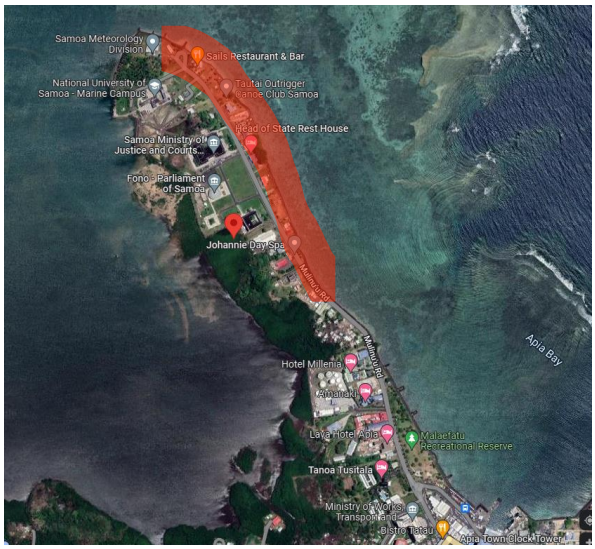

Figure 19: Clean-up area: Mulinu'u Peninsula, Samoa – Samoa Conservation Society

Participants: 82 people (20 women, 17 men and 45 children under 18)

Weight of collected waste: 190.92 kilos

Type of waste	Weight (in kg)
Glass	53.00
Plastic	41.27
Metal	27.85
Paper and Cardboard	14.40

Type of waste	Weight (in kg)
Fabric & Textiles	12.00
Rubber	6.10
Foamed Plastic	5.90
Ceramic	5.00
Wood	4.7 0
Other	20.7 0
TOTAL	**190.92**

Table 21: Distribution and weight of waste audited by Samoa Conservation Society

4.1.19. Activity conducted by Tulagi Zone 3 Waste Champions - Solomon Islands

Overview of the activity:

On 8th October 2022, the Tulagi community participated in the International Coastal Clean Up Day. The community, consisting of 5 local zones, a high school, primary and ECE schools, a Mini-Hospital, and other state-owned enterprises, will come together to clean up the beaches and raise awareness about the issue of incorrect waste disposal into the sea. This is a problem that has been ongoing for several years, and the community has made efforts to address it through previous clean-up events and awareness campaigns. However, the community has also noticed that much of the waste found on the beaches is from nearby islands, washed ashore during strong winds. This event will not only clean up the beaches and reduce the amount of waste in the marine environment, but also provide valuable data for future assessments of the waste issue.

Location: Tulagi Zone 3 beach front, Central Province, Solomon Islands

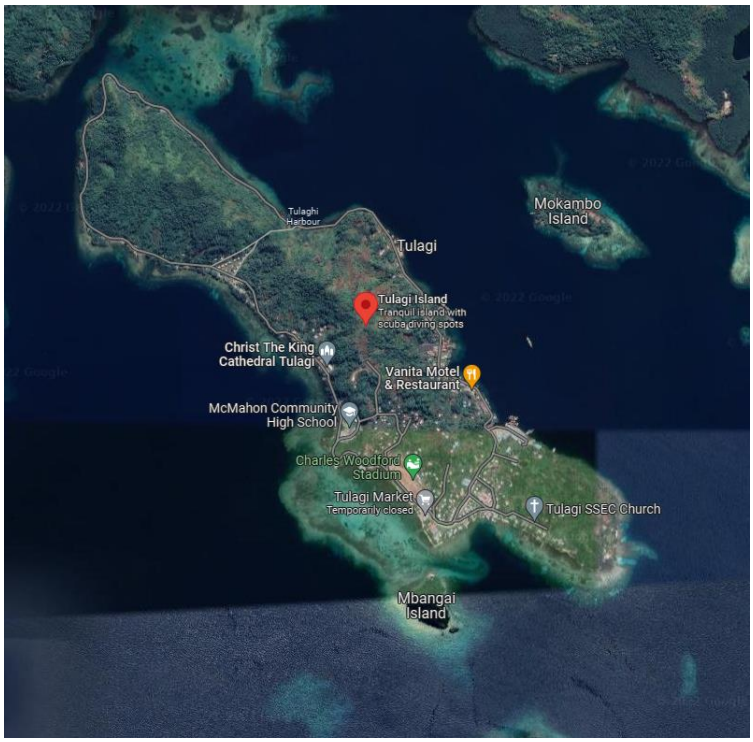

Figure 20: Clean-up area: Tulagi Zone 3 beach front, Solomon Islands – Tulagi Zone 3 Waste Champions

Participants: 110 people (35 women, 25 men and 50 children under 18)

Weight of collected waste: 232.46 kilos

Material	Type of waste	Weight (in kg)
PLASTIC	Single use	3.3
	Pet Bottles	3.4
	Bottle Caps	1.6
	Table Legs	3.2
	Bottles (Food and Beverage)	16.6
	Foamed Plastic	2.12
	Cigarette Butts	0.04
METAL	Aluminium can	5.3
	Canned Food Tins	18.2
	Metals (Iron rods etc.)	10.2
	Gas Bottles	6.9
GLASS & CERAMIC	Glass & Ceramic Tiles	7.9
PAPER & CARDBOARD	Cardboard	5.4
	Box Matches, Cigarette Pkts	4.4
FABRIC & TEXTILES	Fabric and Textiles	37.9
WOOD	Timber	9
	Dry Sticks	47.2
OTHER	Comestics and Medical package Waste	5.3
	Diapers and Latex Gloves	13.5
	Kitchen Waste (Root crop peelings)	31
	TOTAL	**232.46**

Table 22: Distribution and weight of waste audited by Tulagi Zone 3 Waste Champions

4.1.20. Activity conducted by Environment & Conservation Division, MECDM – Solomon Islands

Overview of the activity:

The International Coastal Clean-up Day was implemented in the Solomon Islands by the Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM) with the Support of SPREP on the 24th of September 2022. The activities involved are Awareness a week prior to the Clean-up day. Chung Wah School and Renlau Community are the selected school community where the awareness program took place.

The Clean-up program started from 8:30 am to 1:00 pm on Saturday 24th September 2022, as a half-day event. The program involves lunching from 8:30 to 9:00 am. Waste audit and cleaning of the beach from 9:00 am to 12:30 and lunch after the clean-up. The final task for the day was the transportation of waste (Two loads of Tipa truck) collected to the Ranadi landfill site for disposal.

Location: Mataniko River mouth, Honiara City

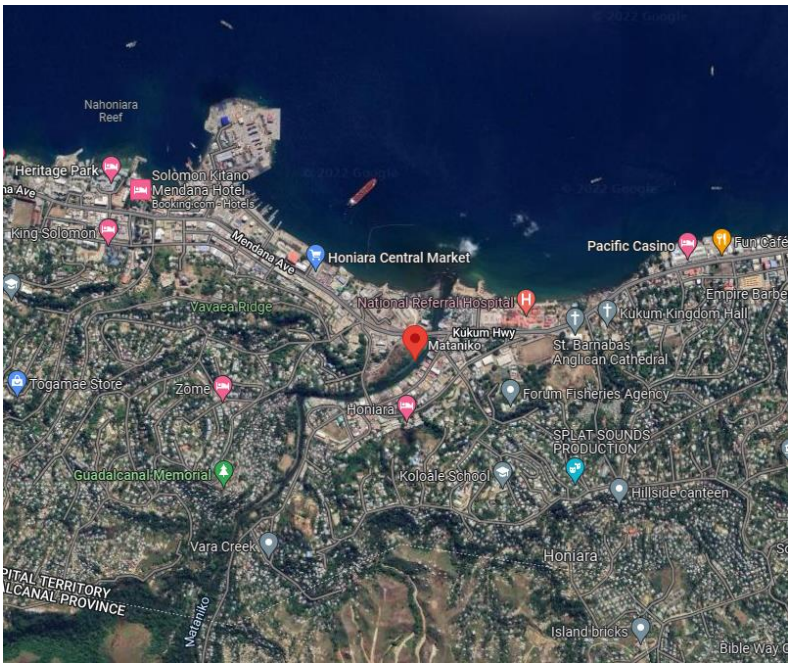

Figure 21: Clean-up area: Mataniko River mouth, Honiara City, Solomon Islands – MECDM

Participants: 64 people (27 women, 22 men and 15 children under 18)

Weight of collected waste: 154.99 kilos

Material	Type of waste	Weight (in kg)
PLASTICS	Bottle Caps & Lids	12.00
	Pet Bottles	39.60
	Food Containers	2.00
	Plastic Bags	17.40
	Scrap Cable	0.80
	Other Plastic (Diapers)	17.00
FOAMED PLASTIC	Coffee cups, styrofoam	4.95
METAL	Tin cans	0.14
	Butane gas bottle	36.10
GLASS & CERAMICS	Glass, ceramic fragments	0.50
PAPER & CARDBOARD	Paper bags, cigarette packs	0.50
OTHERS	Betel-nut skin, Coconut husks, shell	24.00
	TOTAL	**154.99**

Table 23: Distribution and weight of waste audited by the Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM)

4.1.21. Activity conducted by Friends of the City – Solomon Islands

Overview of the activity:

The Friends of the City executive met to plan the dates and program for an awareness and clean-up day for the project. The announcement was made to the congregation of about 300 members of the Kingdom Harvest Ministry International Church in Honiara, and invitations were also extended to

youth groups and other sister churches to participate. Approximately 270 members participated in the clean-up, with 4 additional groups joining Friends of the City. Prior to the work, Friends of the City held two awareness and training meetings to raise awareness on the problem of plastics and waste in the ocean and to train the young people on data collection. The clean-up was set in the morning and lasted for two hours. The sorting, recording, and weighing of the rubbish continued for another hour and a half before the group had lunch together. The rubbish was collected and disposed at the landfill by the Honiara City Council. Ministry of Environment staff also chose to work on the river, and Friends of the City partnered with them for the coastal clean-up.

Location: Mataniko River Mouth beach

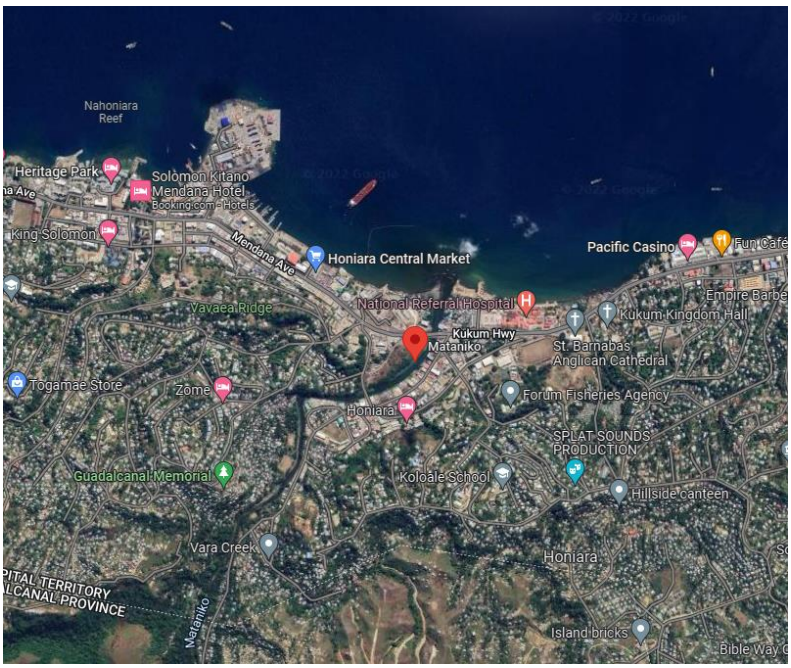

Figure 22: Clean-up area: Mataniko River mouth, Honiara City, Solomon Islands – Friends of the City

Participants: 247 people (112 women, 106 men and 29 children under 18)

Weight of collected waste: 494.50 kilos

Type of waste	Weight (in kg)
Plastic (PL01)	0.50
Plastic (PL02)	245.50
Plastic (PL04)	1.00
Plastic (PL06)	7.00
Plastic (PL07)	14.70
Plastic (PL07.01)	8.20
Plastic (PL07.02)	11.50
Metal (ME03)	14.50
Metal (ME04)	31.00
Metal (ME10)	47.30
Foam (FP02)	7.50
Foam (FP05)	3.50
Foam (FP05.01)	1.00

Type of waste	Weight (in kg)
Glass (GCO2)	7.50
Glass (GCO7)	1.50
Glass (GCO8)	0.30
Diaper (OT02)	83.50
Fliplop/Shoe (CL01.01)	8.50
TOTAL	**494.50**

Table 24: Distribution and weight of waste audited by Friends of the City

4.1.22. Activity conducted by Resilience, Innovation and Social Change Girls Club (RISC-GC) – Solomon Islands

Overview of the activity:

Resilience Innovation and Social Change Club (RISC-GC) has conducted a coastal cleanup in front of the Mataniko river on Saturday 17th September 2022 to mark the International Coastal Cleanup Day. The cleanup event involved volunteers from the community of Tuvaruhu and was led by RISC-GC President 18-year-old Ms. Bethlyn Bobby. Through the cleanup activity, young people was able to advocate for proper waste disposal and clean Honiara city. All the waste collected during the even was sorted, weight and recorded before transported to the Honiara landfill for proper disposal.

Location: Mataniko coastal area, at the very mouth of the Mataniko river

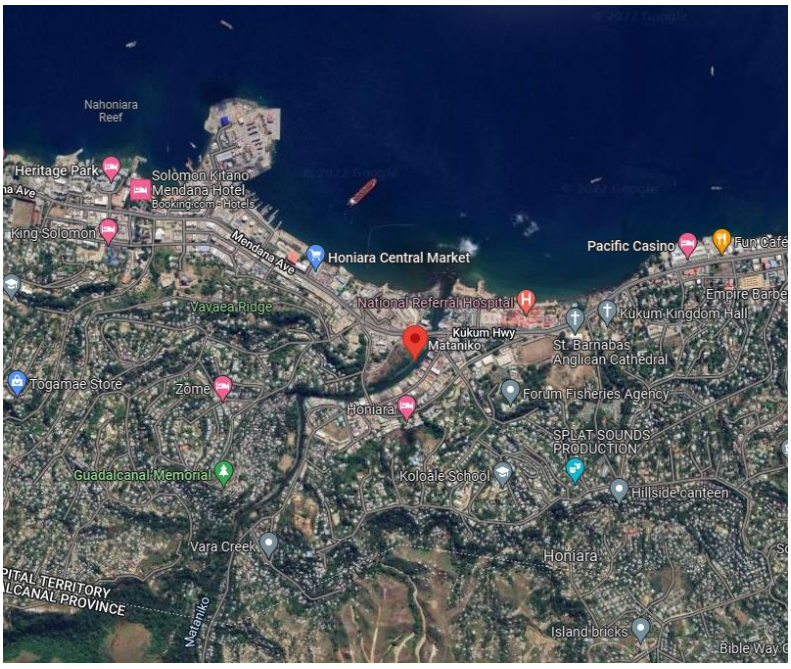

Figure 23: Clean-up area: Mataniko River mouth, Honiara City, Solomon Islands – Resilience, Innovation and Social Change Girls Club (RISC-GC)

Participants: 33 people (15 women, 11 men and 7 children under 18)

Weight of collected waste: 271.90 kilos

Type of waste	Weight (in kg)
Plastic bottles	84
Butane gas bottles	26
Tuna cans	21
Pieces of table wires	5
Baby Diapers	23
Disposal plates	2.5
Disposal cups	1.1
Wooden utensils	23
Wood and sticks	13
Washing detegent bottles	3
Drinking straws	0.5
Slippers	2
Plastc bags	19
Fishing strings	26
Pieces of cloths	15
Carpets	5
Playing cards	0.8
Cloth pegs	2
TOTAL	**271.90**

Table 25: Distribution and weight of waste audited by Resilience, Innovation and Social Change Girls Club (RISC-GC)

4.1.23. Activity conducted by Waste Management and Control Division (WMCD) of Honiara City Council – Solomon Islands

Overview of the activity:

On Saturday, September 24th, 2022, a clean-up activity was carried out at the designated site. The activity began with opening remarks and a briefing on safety rules and guidelines. The survey area was marked out and the clean-up began at 10am. The waste was collected and sorted into various categories for auditing. The waste management team kept record of the waste and entered the data into a survey sheet. The waste was then transferred to the pick-up location and loaded into collection vehicles. Bulky waste was loaded into a skip bin for final disposal at the landfill site. At the end of the clean-up, all participants were offered refreshments.

Location: Karaina Coastline Area, west of Honiara City.

Figure 24: Clean-up area: Mataniko River mouth, Karaina Coastline Area, west of Honiara City, Solomon Islands – Waste Management and Control Division (WMCD) of Honiara City Council

Participants: 60 people (20 women and 40 men)

Weight of collected waste: **5**11.29 kilos

	Type of waste	Weight (in kg)
PLASTICS	Bottle Caps & Lids	0.26
	Pet Bottles	4.35
	Food Containers	0.11
	Food wrappers	0.02
	Cigarettes butts	0.05
	Other Plastic (Diapers)	NA
METAL	Aluminium can drinks	0.87
	Butane gas bottle	4.41
GLASS & CERAMICS	Glass, ceramic fragments	0.37
RUBBER	Flip flops	0.85
OTHERS	Wrecked Vehicle (Bulky)	Estimate (500kg)
	TOTAL	**511.29**

Table 26: Distribution and weight of waste audited by the Waste Management and Control Division (WMCD) of Honiara City Council

4.1.24. Activity conducted by Pacific Ocean Litter Youth Project (POLYP) - USP & Suva Harbour Foundation - Fiji

Overview of the activity:

At the start of the event, participants were briefed and signed a registration form. By 8:30, they had been assigned to one of three coastal cleanup locations and began collecting waste within designated areas. At 10:00, everyone returned to the staging area and the waste was counted, weighed, and sorted. A marine litter art project also took place during this time.

Location: 4 sites

1. Staging Area: USP Marine Campus
2. Zone 1: Apted Park, Suva Point
3. Zone 2: USP Marine Campus Foreshore
4. Zone 3: Fiji National University Maritime Centre Foreshore.

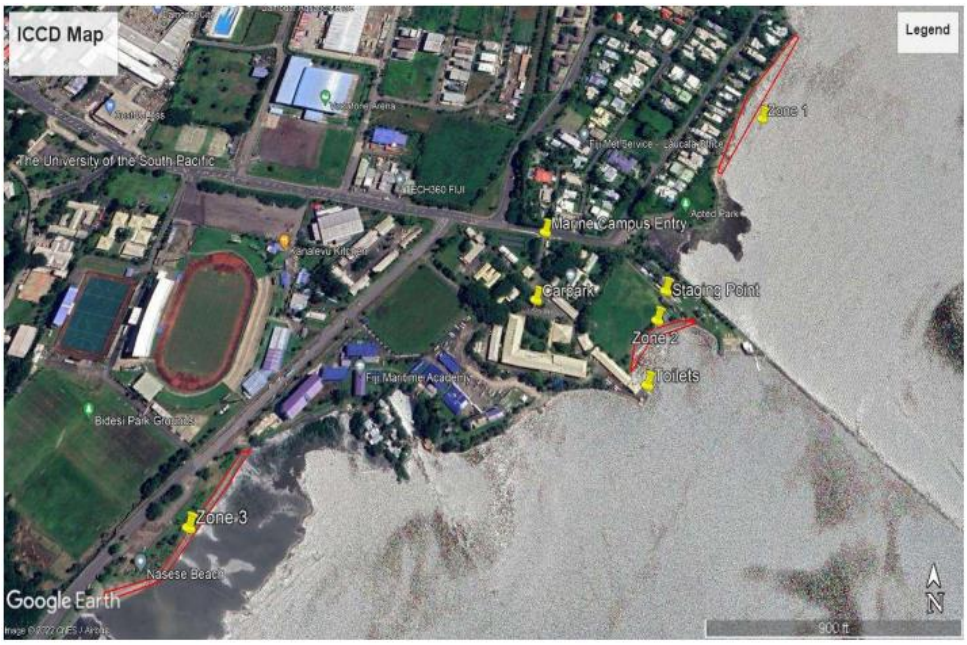

Figure 25: Clean-up areas: USP Marine Campus, Apted Park, USP Marine Campus Foreshore and Fiji National University Maritime entre Forseshore, Fiji – USP & Suva Harbour Foundation

Participants: 105 people (48 women, 32 men and 25 children under 18)

Weight of collected waste: 704.92 kilos

Type of waste	Weight (in kg)
PET	30
Household wastes	361
Large Plastic Items	53
General Waste	157
Others	50
TOTAL	**651**

Table 27: Distribution and weight of waste audited by USP & Suva Harbour Foundation - USP Marine Campus

Material	Type of waste	Weight (in kg)
PLASTICS	Bottle caps and lids	0.0537
	Bottles	0.0236
	Cigarette lighters	0.0276
	Clothes pegs	0.0183
	Food containers	4.2139
	Lollipop sticks	0.0018
	Food wrappers	0.1322
	Pens and stationary	0.0271
	Plastic bags	0.1886
	Plastic utensils	0.02
	Bottle neck rings	0.0042
	Straws	0.0079
	Tooth brushes /cosmetics	0.6331
	Safety and construction	0.2484

Material	Type of waste	Weight (in kg)
	Unidentified hard plastics	3.0653
	Unidentified soft pastics	0.1442
FOAMED PLASTIC	Polystyrene cups	0.0186
	Polystyrene insulation	0.9291
GLASS & CERAMIC	Glass bottles	1.1048
	Glass fragments	2.8476
FABRIC & TEXTILES	Shoes	0.82
METAL	Aluminium drink cans	0.9404
RUBBER	Shoes	0.7702
PAPER	Cigarette pallets	0.0198
OTHER	Sanitary items/ diapers	0.2158
	Covid/surgical masks	0.0091
	Cigarette pallets	0.0198
	TOTAL	**16.4853**

Table 28: Distribution and weight of waste audited by USP & Suva Harbour Foundation - Apted Park

Material	Type of waste	Weight (in kg)
PLASTICS	Bottle caps and lids	6.181
	Bottles 2litrs	1.1957
	Cigarette lighters	0.0367
	Clothes pegs	0.1069
	Food containers	0.6478
	Food wrappers	0.7714
	Lollipop sticks	0.0286
	Pens and stationery	0.0627
	Plastic bags	0.11305
	Rope	0.032
	Straws	0.0479
	Plastic utensils	0.0463
	Unidentified hard plastics	0.3557
	Unidentified soft plastics	0.4825
FOAMED PLASTIC	Polystyrene insulator/ packaging	0.2095
FABRIC & TEXTILES	Carpet and furnishings	8.31
	Clothing, towels, linen	0.22109
	Rope, string	0.0329
GLASS & CERAMIC	Bottles and jars	0.31097
	Glass and ceramic fragments	0.8711
METAL	Aluminium drink cans	0.03114
	Construction material	3.2743
RUBBER	Inner tubes and rubber sheet	0.5139
	Rubber footwear	1.2705
	Tyres	0.2486
	Unidentifiable rubber fragment	0.3675
WOOD	Processed timber	0.32528

Material	Type of waste	Weight (in kg)
OTHER (Sanitary Items)	Diapers, female hygiene waste	11.28
	Cosmetic and medical packaging	0.0665
	TOATL	**37.44153**

Table 29: Distribution and weight of waste audited by USP & Suva Harbour Foundation - USP Marine Campus Foreshore

4.2. Overview of Waste Audits

According to the 24 waste audit surveys conducted, 7,770 kilos of waste was collected during the International Coastal Clean-up Day 2022. These marine litter collected was thanks to the engagement of 2,147 volunteers, including 818 women, 647 men and 682 children under 18, from Cook Islands (1 activity), Fiji (4 activities), Samoa (4 activities), Solomon Islands (11 activities), Vanuatu (1 activity), and Wallis and Futuna (3 activities).

The two graphics below shown the distribution of the rubbish collected and audited:

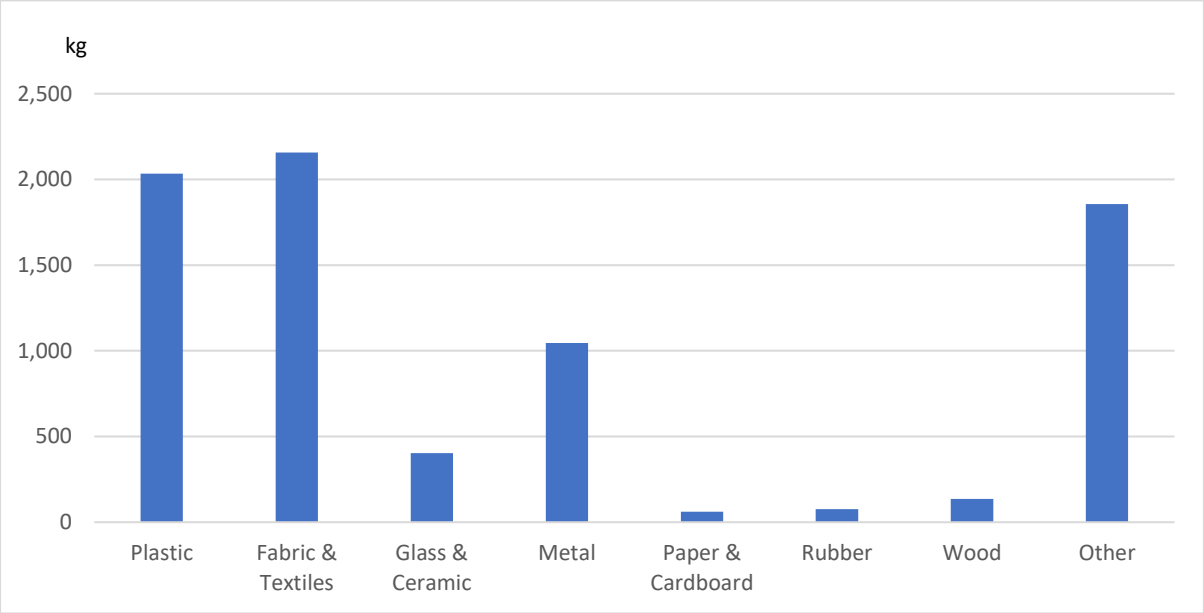

Figure 26: Quantity (of waste collected and audited during the 24 clean-up activities

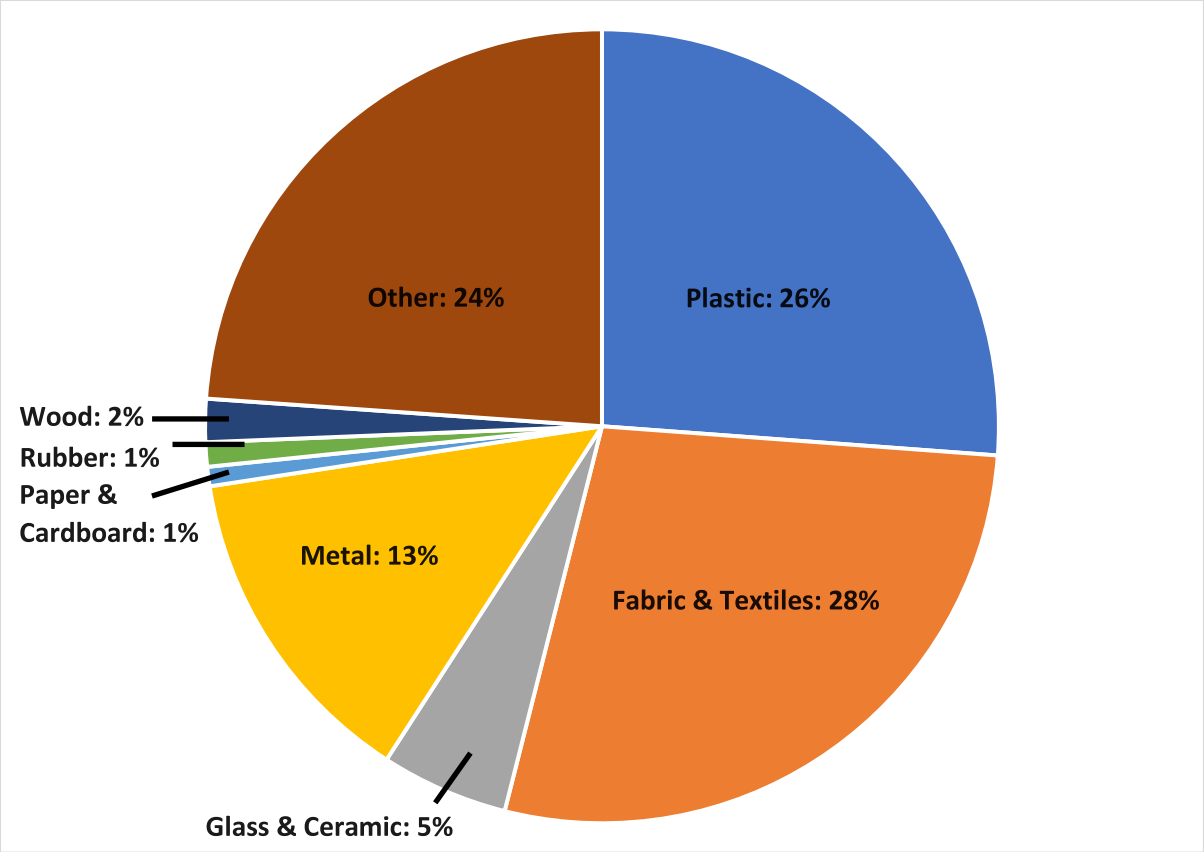

Figure 27: Distribution per weight of waste collected and audited during the 24 clean-up activities

These two graphics highlight that, in terms of weight, fabrics and textiles represent the most significative part (2,158 kg - 28%) of the rubbish collected and audited followed by plastic (2,034 kg - 26%) and metal (1,045 kg - 13%); this does not include the "other" category. The possible reason for the high weight of fabric and textiles is mainly due to the water weight that fabric absorbs.

The significant amount of waste collected within the International Coastal Clean-up Day 2022 (7.77 tons), which can be harmful to marine life and the ecosystem highlight the need for improved waste management and reduction strategies in the Pacific, specifically targeting plastic and metal waste for recycling purposes.

4.3. Recommendations

Based on the data from International Coastal Clean Up Day in the Pacific, plastic is one of the most prevalent type of waste found on the coasts. This is a concerning issue and it is recommended that actions be taken to reduce plastic usage and increase recycling efforts. Additionally, there is a significant amount of metal, fabric and textiles, and other waste found on the coasts. It is recommended that more education and awareness campaigns be implemented to encourage proper disposal of these materials. Overall, it is crucial that steps be taken to address the waste issue in order to protect our oceans and marine life.

SPREP fully supports the global and regional movements to reduce plastic usage and protect natural resources, such as the SWAP project and Pacific Ocean Litter Project (POLP). In light of the growing trend towards banning single-use plastics, SPREP encourages Pacific islands to take a leading role in this positive action.

5. AWARENESS MATERIALS

The goal of the activities during the event was not only to engage the participating communities and associations, but also to raise awareness among the broader Pacific Islands population. To achieve this, applicants were encouraged to hire a consultant to create audio-visual materials. Each candidate had the option to create either a video highlighting the event or a series of portraits with accompanying quotes.

Thus, 24 associations have produced video content from their beach clean-up activities. However only 15 videos have been uploaded on SPREP's YouTube channel and are available on the links below:

- Video produced by SRWMA: https://youtu.be/Y1j0vuNekgs
- Video produced by A Vaka Heke: https://youtu.be/ZVi4Ou9CeNY
- Video produced by MNRE – Puipaa Clean-Up: https://youtu.be/5y5tNarAk8w
- Video produced by MNRE Malaefatu Clean-Up : https://youtu.be/7HCf0Ein9IE
- Video produced by Temotu Provincial Government (TPG) : https://youtu.be/O9qvcUG1X5o
- Video produced by Ward 9 Development Committee (WDC) Graciosa Bay: https://youtu.be/qdG7stjVKGM
- Video produced by Vanuatu Climate Action Network (VCAN) : https://youtu.be/uZRNxDesgC4
- Video produced by Association des pêcheurs « Faiva Tautai »: https://youtu.be/lj4cbzTDb1M
- Video produced by Association Foyer Socio Educatif Collège (FSE) VAIMOANA: https://youtu.be/Lzll4UDQ40g
- Video produced by Community Centred Conservation - Fiji Program (C3Fiji) : https://youtu.be/llh5ANG3SAo
- Video produced by Samoa Conservation Society: https://youtu.be/0y5o5nGMXYY
- Video produced by Environment & Conservation Division, MECDM: https://youtu.be/iYi6_6Vaabo
- Video produced by Friends of the city: https://youtu.be/3WX_9ll3nBA
- Video produced by Waste Management and Control Division (WMCD) of Honiara City Council: https://youtu.be/Th5W9myXDUg
- Video produced by Pacific Ocean Litter Youth Project (POLYP) -USP & Suva Harbour Foundation: https://youtu.be/9FFrt9AnJ08

Appendices

- Appendix 1 – Circular 22/60 of 21 July 2022
- Appendix 2 – Training materials
- Appendix 3 – Data shared on Litter Intelligence Application
- Appendix 4 – Final Reports of Associations

Appendix 1 – Circular 22/60 of 21 July 2022

SPREP
Secretariat of the Pacific Regional Environment Programme

CIRCULAR

FILE: AP_6/15 - AP_6/19 **TO:** SPREP National Focal Points

DATE: 21 July 2022

CIRCULAR: 22/60

SUBJECT: Invitation for funding support for the International Coastal Cleanup Day 17th September 2022 as part a collaboration between the *Committing to Sustainable Waste Actions in the Pacific* (SWAP) Project and the *Pacific Ocean Litter Project* (POLP)

Dear SPREP Partners,

Every year, on the third Saturday in September, the International Coastal Cleanup Day is celebrated. This is the single largest coastal clean-up day in the world, and 2022 will mark the 36th year of the ICCD in action. Last year, the SWAP project supported 10 associations to conduct clean-up actions and awareness-raising activities at this event. With nearly 600 volunteers involved, 5.6 tons of waste have been collected and removed from Environment. Following the success of this event, the SWAP Project has decided to repeat this activity this year. And to make the event even more successful than the last year, POLP will also participate in ICCD2022.

Marine litter is a global, intergenerational and transboundary issue that negatively affects the environment, people and coastal economies around the world. Working to support our Pacific islands to ensure a healthy and sustainable environment, SPREP is engaged in the International Coastal Cleanup Day, which is scheduled for 17th September 2022. Thus, as part of a collaboration between the *Committing to Sustainable Waste Actions in the Pacific* (SWAP) Project, funded by the French Development Agency (AFD) and the *Pacific Ocean Litter Project* (POLP), funded by the Australian Government, SPREP will support twenty (20) clean-up actions. All SPREP member country and territory islands are invited to participate in this event.

For each clean-up action, funding of up to USD3,000 may be awarded to cover logistic fees and purchase of equipment required for this activity (purchase of bags, gloves, sanitizer, transportation, refreshments, water, etc.) as well as to produce audio-visual coverage of the event.

I welcome you to be part of the International Coastal Cleanup Day, by acknowledging the requirements for participation in the attached document, and by **submitting your application by 12th August 2022**.

For any further questions, please contact the SWAP Coordinator, Julie Pillet, at juliep@sprep.org or the POLP Manager, Andrea Volentras, at andreav@sprep.org who are available to assist you in the funding request.

I look forward to having you join us on 17th September 2022.

Yours sincerely,

Easter Chu Shing
Acting Director General

JP/AV

Appendix 2 – Training materials

Litter Intelligence.

Data. Insights. Action.

THE PROBLEM

Litter impacts our health, culture, environment and economy, especially when it enters our marine ecosystems.

Often, communities affected by litter aren't able to take part in decision-making for solutions.

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Programme Overview.

THE SOLUTION

Led by charity **Sustainable Coastlines,** Litter Intelligence enables communities to collect data, gain insights and take action for a litter-free world. Litter Intelligence is already helping build a better understanding of the problem.

To collect litter data long-term, the programme provides communities with the training, equipment and technology to take part as 'Citizen Scientists'.

The data collected are highly rigorous. The programme follows a localised adaptation of the **United Nations Environment Program / Intergovernmental Oceanographic Commission methodology.**

This enables national, regional and international agencies to use the data for reporting, including the relevant Sustainable Development Goals.

Litter Intelligence also helps solve the litter problem long-term, with a litter education programme that inspires and enables educators and students to take action while gaining curriculum credits. To deliver this, we are piloting the programme in New Zealand schools before training and supporting educators to teach it far and wide.

By combining evaluation of our education programme with empirical data from Citizen Scientist litter surveys, we will gain true insights into the effectiveness of a range of litter-reduction interventions.

All data, insights and 'Action Stories' are freely, openly and publicly available through our purpose-built website at **litterintelligence.org.** This gives politicians and business leaders, students and scientists, writers and researchers the right information to take action for a litter-free world.

1 Understand the problem

- Technology database & insights
- Train & support Citizen Scientists to collect data
- Make litter data widely accessible
- **Data insights inform better decision-making**

2 Optimise solutions

- Education curriculum & 'Action Stories'
- Train & support Educators to deliver education
- Rollout litter education programme via school system
- **Behaviour change reduces litter problem**

Launched in May 2018, Litter Intelligence is part-funded by New Zealand's **Ministry for the Environment** 'Waste Minimisation Fund', and developed alongside **Statistics New Zealand** and the **Department of Conservation.**

Ministry for the Environment Manatū Mō Te Taiao

Department of Conservation Te Papa Atawhai

Stats NZ Tatauranga Aotearoa

Litter Intelligence.
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Beach litter monitoring.

Methodology summary for Citizen Scientists.

OFFICIAL VERSION 1.6

Choose Survey Area

Your Sustainable Coastlines rep will work with you to choose the best beach area for long-term monitoring. This is your Survey Area.

During your training workshop, Sustainable Coastlines will also help you complete the necessary Health & Safety Plan for working safely at your site.

This methodology is a localised adaptation of the United Nations Environment Program / Intergovernmental Oceanographic Commission Guidelines on Survey and Monitoring of Marine Litter.

Note: This is a methodology overview intended for Citizen Scientists. It does not replace official training, which covers important Health and Safety, logistics and planning considerations.

1 Set-up Survey Area

Complete a site risk assessment before each 'Litter Survey'.

Start at the most apparent high tide mark. From start point, measure 10 metres either side of high tide[1], and mark the area corners with your stakes.

At the start point take 3 photos: (1) Out to sea (2) To back of beach (3) Along survey area. Also record your visual assessment grade (A-D) for the beach.

Then, measure 100 metres along the beach to your end point, and set up stakes here.[2] This 100 by 20 metre space is your 'Survey Area'. Citizen Scientists only need to remove litter from this area.

2 Complete Litter Survey

Where possible, complete your survey at low tide. **Brief 'Citizen Scientists' on Health & Safety** and how to do the survey. Provide clean-up/survey equipment. Survey should take 30 mins - 2 hours.

Collect all visible litter from the beach by walking the entire survey area at least two times. While you can collect items under 5mm, these are not included in the audit.

Found less than 10 items? Extend the survey length to a total length of 300 metres and continue to survey (if safe to do so).

Leave behind all dangerous, large or immovable, and organic litter.

3 Complete Litter Audit

While you can do this on site, it can be easier in a sheltered location like a garage or surf club. Some items can be dangerous, so follow safety instructions.

Sort all litter from the survey area into the categories provided. **Use the sieve to separate any items under 5mm,** so that they aren't counted or weighed.

Group items from each category in one of your sorting bins. Record the item count and total weight (in grams) of the items in each category. Also record confidence level (High or Low) for weight.

Record your visual assessment grade (A-D) for plastic resin pellets.

Repeat Four Times A Year

To get long-term data and insights on our litter problem, surveys need to be **repeated every 3 months.**

This is a great chance to get back together with your friends, whanau and/or colleagues to look after the places you love.

Make sure you follow steps 1 to 3 each time, and complete the survey in exactly the same place each time so we can compare data!

1. If you cannot survey 10m above and 10m below high tide, record the width of beach that you can safely access and set-up your Survey Area accordingly.
2. If your survey will take over two hours to complete, reduce length to 50 or 20 metres, whichever is the greatest you can achieve in that time limit.

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Be Safe

BRIEF FOR ALL PARTICIPANTS TO UNDERSTAND

OFFICIAL VERSION 1.0

WHAT TO DO

All participants must:

1. Wear gloves and closed-toe shoes. Gumboots are not recommended.
2. Use eye protection and take care of fingers when malleting in stakes.
3. Pick up rubbish within the survey area and put it into the rubbish sacks.
4. Take survey rubbish back to the audit location. Take care not to mix with general rubbish until the audit is complete.
5. Follow rules around hazardous objects detailed in the section below and also refer to your resource pack for specific instructions on handling sharps, asbestos, and sanitary items.

SAFETY WITH RUBBISH

- **Do not pick up asbestos.** See photo provided and refer to refer to Asbestos Awareness sheet.
- **Only adults are to deal with syringes** / medical sharps. These are to be put into the sharps container provided in the health and safety backpack.
- **Only adults are to handle hazardous waste,** such as fishing hooks and lures, broken glass, sanitary waste (nappies / diapers, condoms, tampons), industrial waste, car batteries etc. See Sanitary Items Handling Procedure in your resource pack for more details.
- **Do not pick up natural / biodegradable waste**. Wood, if it has been modified or treated, is to be included in the audit. Be aware of splinters.
- **If any animals / marine creatures are found caught in rubbish**, inform DOC as soon as possible on 0800 HOTDOC (0800 362 468). Please do not approach distressed/wild animals.
- **If an item of rubbish is too heavy / large to move**, please make a note in the technology platform (app.litterintelligence.org) and contact your local council for proper removal.
- **Be careful when sieving rubbish**. Wear safety glasses to avoid getting sand in your eyes.
- **Wash and sanitise your hands** after clean-up and before eating.

SAFETY ON THE COAST

- Always undertake the survey as a team (minimum of two people).
- Plan to conduct your survey at low tide — tides can rise quickly! For tide times, visit linz.govt.nz/sea/tides/tide-predictions
- Avoid setting up your survey area in potentially hazardous areas such as muddy, slippery, or extremely uneven terrain or below unstable cliffs.
- Always look where you are walking when measuring out your survey area with the tape measure.
- Do not run or attempt to pick up rubbish while moving.
- Do not enter the water.
- Do not touch pest-control units / traps.
- Do not enter fenced or roped-off dune restoration areas and obey all official beach notices.
- If you feel uncomfortable, don't continue. Let your survey lead know.
- If the site is not within cellphone reception, make sure you have another form of communication to call for help if required. This could be:
  - Leaving your intentions (GPS point of your destination and expected return time) with family/ close friends, your Sustainable Coastlines contact or your local police / DOC office.
  - Making sure at least two of your team can drive / walk to the nearest cell-reception area if necessary.
  - Having a satellite phone, two-way radio, or personal locator beacon (PLB). Talk to your Sustainable Coastlines contact who will ensure you have access to a PLB if required. Or visit locatorbeacons.co.nz/hireoutlets

EMERGENCY PROCEDURES

For injuries and incidents requiring first aid beyond your team's capability, call 111 immediately.
DO NOT MOVE ANYONE with possible spine/neck injury unless they are in further danger.

- Do not compromise your safety to assist someone else.
- VHF Channel 16 is monitored by the Coastguard for emergencies.

Use PLBs to contact emergency services when relocation is made too risky / impossible due to terrain or severity of injury. Do not hesitate to set it off if lives are in danger.

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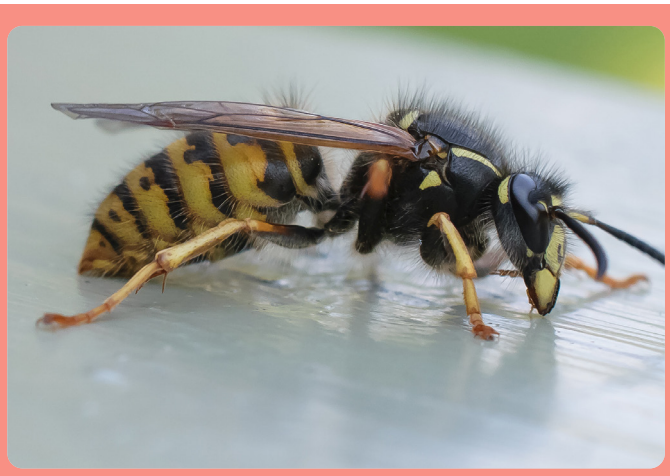
Be Safe

BRIEF FOR ALL PARTICIPANTS TO UNDERSTAND

OFFICIAL VERSION
1.0

Asbestos **Extreme caution**

Sharps **Extreme caution**



Bee / wasp nests **Keep away**

Nesting birds **Keep away**

Coastal terrain **Walk with care**

Wear proper H&S gear

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Sanitary Items

HANDLING PROCEDURE FOR SURVEYS

OFFICIAL VERSION 1.0

Purpose of this procedure

Sanitary items are often found during beach litter surveys. The purpose of this document is to outline the risks associated with handling these items and the correct procedure for containing them to minimise these risks.

See examples of commonly found sanitary items below.

What is a sanitary item?

Sanitary items are any items that may have come into contact with or contain human waste (urine, faeces) or other bodily fluids (blood, saliva, mucus, etc.). These carry a hygiene and disease transmission risk, so it is very important that litter data collectors handle these items safely to minimise the risk to Sustainable Coastlines volunteers and staff.

Biohazards

Only count item, do not weigh. Only trained leaders to touch.

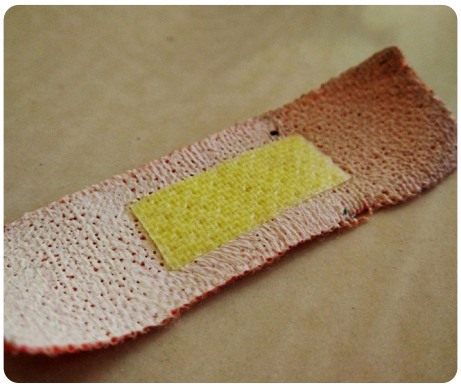
Nappy wipes

Nappy

Toilet paper / tissues

Face masks

Plasters / bandages / sports tape



Condom

Tampon / pads

Tampon applicator

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Sanitary Items

HANDLING PROCEDURE FOR SURVEYS

OFFICIAL VERSION
1.0

Procedure for handling sanitary items

1. Identify that the item in question is a sanitary item. Refer to photo examples on reverse.
2. Notify your lead litter data collector.
3. Wearing gloves, use a biodegradable dog-poo bag to scoop up the item. Tie off the bag. Avoid handling the sanitary item/s with your gloved hand directly by inverting the dog-poo bag to provide an additional barrier between you and the item.
4. If possible, count the items as you contain them in the bag and note this number on the outside of the bag using the vivid marker provided.
5. Carefully place the sealed bag in a rubbish sack.
6. Record the total number of sanitary items found during your survey when entering your litter audit data into the database.
7. Remember to always wear your reusable gloves when handling litter and use hand sanitiser or wash your hands thoroughly once you've finished your litter survey and audit and before you eat!

Lead litter data collectors

Remember to **include the above information in your health and safety briefing** prior to starting your litter survey. Ensure you have the dog-poo bags with you so that any sanitary items can be dealt with quickly and efficiently.

Sanitising gloves after each use

Please remember to wash and dry the reusable gloves provided prior to returning the kit to its storage location. A warm machine wash with laundry detergent and a dry on the line or dryer is sufficient. Make sure the gloves are unpaired and not inside-out before you wash them. Pair them again once they are clean and dry.

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Asbestos Safety

OFFICIAL VERSION 1.0

All event participants to read and understand.
Please ask our staff if you have any questions regarding this document.

During Sustainable Coastlines clean-ups you may come across asbestos or asbestos containing materials (ACM). It is important that you understand the risks associated with asbestos and ACM and follow the safety instructions detailed in this document to keep you, your team and our staff safe.

WHAT IS ASBESTOS?

Asbestos is a naturally occurring mineral made up of many small fibres. These fibres are very strong and are highly resistant to heat, fire, chemicals and wear.

WHAT TO DO IF YOU FIND ASBESTOS OR ACM

- ●Do not touch it!
- ●Notify our staff immediately.
- ●Take photographs of the item and note its location.
- ●Notify the local council of its presence using the app Snap, Send, Solve.

YOUR HEALTH

Asbestos is a proven human carcinogen, and all forms of asbestos can cause cancer. If inhaled, asbestos fibres can cause asbestos-related diseases including:

- asbestosis (scarring of lung tissue)
- mesothelioma (malignant tumours, cancers that develop around the lungs or intestine)
- pleural plaques (thickening of membranes around the lungs)
- cancer of the lung, larynx and ovary.
- Symptoms of asbestos-related diseases include breathing difficulties and 'scarring' of the lung that can be detected by X-ray.

IDENTIFYING ASBESTOS

Also see photo guide on reverse.

In the past, the special heat-resistant, water-repellent and insulating properties of asbestos made it popular for use in a variety of construction and industrial applications. You may find ACM in any of the commonly found forms listed below:

- asbestos-cement sheet cladding and roofing
- asbestos-cement drainage pipes, spouting and guttering components
- backing material for floor tiles and vinyl sheets
- insulation board for thermal protection (e.g., around fireplaces)
- textured ceilings and sprayed-on wall surfaces
- lagging for insulation around pipes, heaters and hot water cylinders

Typically, you will find asbestos-cement cladding fragments in either a flat sheet or corrugated form ranging from the size of a thumbnail to the palm of your hand. However, asbestos-cement piping or other ACM may also be found in larger or complete pieces.

IF IN DOUBT, ASSUME AN OBJECT IS ASBESTOS OR ACM. DO NOT TOUCH OR HANDLE.

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Below are images of commonly found asbestos containing materials. Please note this is not an exhaustive list and other items you find during your beach clean-up may contain asbestos. **If in doubt, assume it is asbestos and DO NOT touch it.**

Exterior cladding

Often found as palm to thumbnail–sized fragments, this is the most common type of asbestos containing material we find.

Corrugated roofing, guttering, and spouting

Piping

Insulation and lagging

Decramastic tiles

Imitation brick cladding

Sharps Safety

OFFICIAL VERSION 1.1

Purpose of this document

To outline the procedure for handling sharps using the provided sharps container to keep you and your community safe during beach clean-ups and litter surveys.

What is a medical sharp?

'Medical sharps' is a term for medical devices with sharp points or edges that can puncture or cut skin. Medical sharps include used needles, lancets, catheters, auto injectors and other sharp items that are dangerous if they aren't disposed of safely.

They can injure people and may contain biohazards that spread infections that cause serious health conditions.

Examples of medical sharps.

Look out for non-obvious sharps like this lancet.

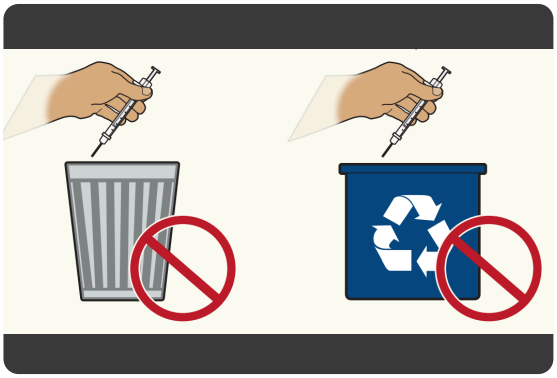
Warning! Needle stick injuries can expose you to infectious diseases such as hepatitis and HIV.

Keep yourself safe

- Ensure you are wearing reusable gloves and closed toed shoes before handling any sharps.
- Do not force sharps into container.
- Do not put fingers inside container.
- Do not remove needle.
- Do not bend or break needle.
- Do not recap needle.

Keep your community safe

- Do not throw loose sharps in trash.
- Do not put sharps in recycling bin.
- Do not flush sharps down toilet.
- Keep out of reach of children.



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How to use a sharps container

1. Ensure you are wearing reusable gloves before handling any sharps. Check sharps container is:
   - large enough to fit your sharp.
   - is not damaged or overflowing.

2. Carefully put sharp in sharps container, sharp end first.

   Stop using sharps container when it is ⅔ full or as indicated on the label.

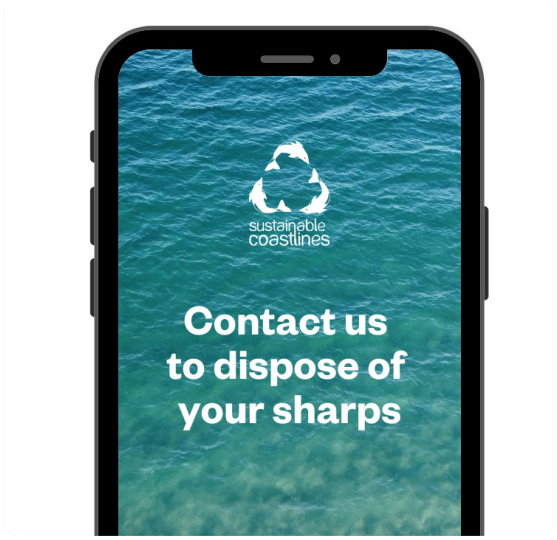
3. Securely close the sharps container using the lid provided.

How to discard a sharps container

1. Close the sharps container as instructed on the label.

2. Wash or sanitize your hands after handling sharps.

3. Contact your Sustainable Coastlines representative for a replacement container and instructions about proper disposal processes.



In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

Coastal Clean-up / Transect / Litter Audit Health & Safety Plan

Print out and take this document with you to your clean-up and audit activity

Location:		Date:	
Organisation:			
Low Tide:		High Tide:	
#1 Contact Name:		Mobile:	
#2 Contact Name:		Mobile:	
#3 Contact Name:		Mobile:	
Number of Adults (Must be at least one person >16):		Number of Children (<16):	
Meeting Point:			
Ambulance Pick-up Point:			
First Aid qualified people on site (write "same as above" if applicable)			
#1 Name:		**Mobile:**	
#2 Name:		**Mobile:**	
#3 Name:		**Mobile:**	
IN CASE of TSUNAMI or STRONG EARTHQUAKE GET 30M ABOVE SEA LEVEL or 1KM INLAND			

Sustainable Coastlines Covid-19 Protocol can be found here:
www.sustainablcoastlines.org/covid

1. Description of Event

Add a brief description of the event and / or run sheet for the day here

In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

2. Site Specific Hazard Assessment

#	Hazards Present Today	Risk Rating	Eliminate or Minimise	How will you deal with this risk?
eg	*Sun Exposure*	*Moderate*	*Minimise*	*Ensure participants have sunscreen available*
2				
3				
4				
5				
6				
7				
8				
9				
10				

3. How to use this Document

This document covers important Health & Safety information for your activity. Please **familiarise yourself with this document before the activity** so that you are well prepared. The goal of this Health & Safety system is to provide a safe and healthy environment in which to conduct beach clean-ups, beach litter transects and litter audits. The system consists of 8 parts:

1. **Safe Work Procedures:** Hazards and controls for all activities. Familiarise yourself with these prior to the activity. These form the main component of your safety briefing.
2. **Site Specific Hazard Assessment(s):** Additional hazards that are present on site on the day of the activity. These form another part of your safety briefing.
3. **Safety Briefing(s):** Your appropriate safety briefing will be determined from the Safe Work Procedure, Site Assessment and Emergency procedures. **This briefing must be delivered before the start your activity**
4. **Emergency Procedures:** Actions that should be taken in the event of an emergency. These form the last part of the safety briefing.
5. **Signed Terms of Engagement** from participant leads
6. **Map** of area with notable features
7. **Volunteer Sign-in Sheets:** These are to help keep a record of who is at your event and if they have returned from the activity site.
8. **Incident Reporting:** Information that needs to be reported (if any).

This document *does not* cover all possible hazards, only those that we believe are reasonably practicable to cover (i.e. those that are common on the coast and during an audit). As such, a reasonable level of common sense is required when running your activities.

4. How to Identify Risk

If anyone determines significant risk at any time you must discontinue the activity. After being fully assessed and if further control measures applied on the day do not reduce the gross risk level to acceptable then work cannot continue. The named Event Director will be the person responsible for determining what is an acceptable level of risk and risk reduction achieved by such controls.

This site assessment will help to identify what additional hazards are present at your site on the day of your activity. Identify hazards and rate them based on the scale below.

In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

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Hirepool APL BENEFITZ Pit Stop

Risk Assessment Matrix – Rate as Very Low, Low, Moderate, High or Critical

	Very unlikely to happen	Unlikely to happen	Possibly could happen	Likely to happen	Very likely to happen
Catastrophic (Fatal)	Moderate	Moderate	High	Critical	Critical
Major (Disability)	Low	Moderate	Moderate	High	Critical
Moderate (Hospitalization)	Low	Moderate	Moderate	Moderate	High
Minor (First Aid)	Very Low	Low	Moderate	Moderate	Moderate
Superficial (No treatment)	Very Low	Very Low	Low	Low	Moderate

How you will control the hazard – E or M

Most Effective	**E – Eliminate**	
	Remove it completely from the event or workspace	**If not reasonably practicable:**
	M - Minimize	
	Substitute the hazard	**Minimize the risk, so far is reasonably practicable, by taking 1 or more of these actions that is the most appropriate**
	Isolate the hazard	
	Use engineering controls	
	Use adaptive controls	**If a risk remains you must minimize remaining risk, as far is reasonably practicable**
Least Effective	**Use personal protective equipment (PPE)**	**If risk remains then minimize using PPE**

Some additional hazards that may be present are (this list is not exhaustive):

- Oil or chemical spills, Fumes
- People working with machinery
- Flooding
- Bad weather such as wind and rain
- Animal carcasses
- Wild & Domestic Animals
- Poor light
- Uncivil beach goers
- Sewage
- Heavy beach traffic
- Wind-Blown Dust / Sand

When thinking about controls for hazards that cannot be eliminated, think about the best way to reduce the risk associated with the hazard. For example, if it is cold at the beach, the control may be to wear warm clothing; if harmful wild animals (such as nesting birds) or a small oil spill is present, the control may be to avoid that area. In many instances the control may simply be to include knowledge of the hazard in your safety briefing. This is always about what is so far as reasonably practicable.

5. Safe Work Procedures

This section covers all common hazards during Sustainable Coastlines activities. ***Please follow the steps in the first column to complete the activity.***In the centre are the reasonably practicable things that could potentially go wrong at each step (the hazards). On the right are the things that must be done to Eliminate or Minimise risk associated with the hazards (the controls). These controls will form part of your safety briefing.

Ensure that you always have the following basic safety equipment before attempting the activities below:

SUSTAINABLE COASTLINES PROVIDES PERSONAL PROTECTIVE GEAR FOR YOUR SAFETY - IT IS REQUIRED THAT IT IS WORN AT ALL TIMES

- First aid kits
- Gloves
- Sacks
- Safety Glasses (Litter survey)
- Hand sanitiser
- Soap and hand washing water

All participants should be communicated with prior to the activity to ensure they bring:

- Sturdy, closed-toed shoes
- Warm clothing
- Wet weather gear
- A full drink bottle
- Food and snack
- Sun smart gear: A hat, neck & arm protection, sunglasses

In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

Coastal Clean-up Safe Work Procedure

Steps Taken to Perform Task		Hazard and Rating		Controls	
No:			**Rating**	**E/M**	
1	Driving to and from site	Vehicle operations have multiple hazards	Moderate	M	Refer to driving policy
2	A Beach Cleanup requires walking with equipment over potentially rough or uneven terrain	Slip, trip or fall	Low	M	Always work with a buddy: 2 person minimum for beach cleanups
				M	At all times be aware of your surroundings
				M	Walk at all times
				M	Wear sturdy, closed toed shoes
3	Commence clean-up	Exposure to the environment	Low	M	Adequate PPE is worn, such as rain jacket, warm clothes and sun hat
				M	Sunscreen
		Puncture wound from sharp piece of rubbish		M	Wear gloves at all times during clean-up
				M	Put all rubbish in sacks provided
			Low	M	Do not sling rubbish sacks over your shoulder or brush them against body parts
				M	Adults only to handle sharp items such as fishing hooks and broken glass
				M	Medical sharps to be collected only by clean-up leader with sharps container. Medical sharps found by volunteers should have their location clearly marked for a team leader to retrieve them.
		Health impacts from asbestos and industrial chemicals		M	Do not pick-up asbestos and industrial chemicals or waste (including damaged car batteries). Record the location and inform your local council
		Getting stuck in muddy areas	Low	M	Children not to enter muddy areas
					Adults only to enter muddy areas with extreme caution, but not deeper than shin level

		Drowning		M	Never enter the water during clean-up
		Back or other lifting injury		M	If a sack is a strain to pick-up or over 20kgs, use multiple people to lift
			Low	M	Always lift with bent knees and a straight back
		Injury from collision with other beach user		M	On arrival at the beach, assess whether other hazardous beach users such as people driving cars or motorbikes or riding horses are present.
				M	Always be vigilant and avoid loitering in high traffic beach areas such as motorbike tracks and vehicle access points
		Incident with dogs		M	Give off leash dogs a wide berth
			Low	M	If aggressed or chased by a dog, do not run, make yourself as big as possible to yell loudly at it
		Poisoning or injury from pest trap		M	Do not touch or collect pest tracking units or traps

In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

Litter Survey Safe Work Procedure

Steps Taken to Perform Task		Hazard and Rating		Controls	
No:			**Rating**	**E/M**	
1	A litter transect requires walking with equipment over potentially rough or uneven terrain	Slip, trip or fall	Low	M	Always work with a buddy: 2 person minimum for beach Surveys
				M	At all times be aware of your surroundings
				M	Walk at all times
				M	Wear sturdy, closed toed shoes
2	Hammer in stakes	Hitting hand with mallet or hammer	Low	M	Wear gloves, Hold stake low down away from working end, hammer with care
		Eye damage from ejected particles while hammering	Low	M	Wear eye glasses provided or shades when hammering stakes
6	Commence clean-up	Harassment & Sexual Harassment	Low	M	Don't work alone, have good communication and a clear timeline of activity, call the police at the first sign of suspicious activity
		Exposure to the environment	Low	M	Adequate PPE is worn, such as rain jacket, warm clothes and sun hat
		Puncture wound from sharp piece of rubbish	Low	M	Wear gloves at all times during clean-up
				M	Put all rubbish in sacks provided
				M	Do not sling rubbish sacks over your shoulder or brush them against body parts
				M	Adults only to handle sharp items such as fishing hooks and broken glass
				M	Medical sharps to be collected only by clean-up leader with sharps container. Medical sharps found by volunteers should have their location clearly marked for a team leader to retrieve them.
		Health impacts from asbestos and industrial chemicals	Low	M	Do not pick-up asbestos and industrial chemicals or waste (including damaged car batteries). Record the location and inform your local council
		Getting stuck in muddy areas	Low	M	Children not to enter muddy areas
					Adults only to enter muddy areas with extreme caution, but not deeper than shin level
				M	Do not enter muddy areas while wearing

					gumboots
		Cuts from shellfish	Low	M	Sturdy closed toed shoes
				M	At all times be aware of your surroundings
		Infection from unsanitary item	Low	M	Only trained persons are to remove potentially infectious items, such as: nappies, condoms, bags of feces, tampons, medical waste
				M	Potentially infectious items to be placed in a designated biohazard sack and disposed of in the nearest bin
		Drowning	Low	M	Never enter the water during clean-up
		Injury from collision with other beach user		M	On arrival at the beach, assess whether other hazardous beach users such as people driving cars or motorbikes or riding horses are present.
			Low	M	Always be vigilant and avoid loitering in high traffic beach areas such as motorbike tracks and vehicle access points
		Poisoning or injury from pest trap		M	Do not touch or collect pest tracking units or traps

In an Emergency CALL: 111
Suspected Poisoning CALL: 0800 764 766

Litter Audit Safe Work Procedure

Steps Taken to Perform Task		Hazard and Rating		Controls	
No:			Rating	E / M	
1	Driving to and from site	Vehicle operations have multiple hazards	Moderate	M	Refer to driving policy
2	Set up audit table/area	Back or other lifting injury	Low	M	If table is a strain to pick-up or over 20kgs, use multiple people to lift
				M	Always lift with bent knees and a straight back
		Finger injury in folding table legs	Low	M	Keep hands clear of folding table parts.
3	Sort, count and weigh litter	Puncture wound or laceration from sharp piece of rubbish	Low	M	Adults only to handle sharp items such as fishing hooks and broken glass
				M	Do not sling rubbish sacks over your shoulder or brush them against body parts
				M	All participants to have appropriate PPE (gloves and closed toed shoes)
		Eye injury	Low	M	Use eye glasses provided if working with dusty litter or in windy environments
		Health impacts from asbestos and industrial chemicals		E	Do not handle
				E	Asbestos and industrial chemicals or waste (including damaged car batteries) are excluded from litter collected during transects and audits.
		Infection from unsanitary item		E	Potentially infectious items such as nappies, condoms, bags of feces, tampons and medical waste are removed by a trained person before the audit (during the clean-up period)
		Exposure to the environment		M	Adequate PPE (thermal protection) to be worn by auditors during audit activity
				M	Conduct audit in a sheltered location
				M	Do not audit in the rain or in extremely cold environments
4	Transfer litter into rubbish sacks for safe disposal	Puncture wounds and lacerations from sharp items of litter	Low	M	All participants to have appropriate PPE (gloves and closed toed shoes)
				M	Put all rubbish in sacks or containers provided
			Low	M	Medical sharps to be isolated using sharps container and are excluded from the rubbish disposal process

		Back or other lifting injury		M	If table is a strain to pick-up or over 20kgs, use multiple people to lift

6. Safety Brief: Beach Clean-up and Litter Survey

Please deliver the following safety briefing to all clean-up participants:

- At all times be aware of your surroundings. Terrain can be slippery, sharp or contain loose materials. Watch where you are walking. If you feel uncomfortable, don't proceed.
- Always keep on your closed toed-shoes and gloves on.
- Make sure you have appropriate clothing on such as warm clothing, rain jacket and sun hat.
- Do not enter the water: don't get your feet wet.
- Pick up all non-biodegradable rubbish from the coast and put into rubbish sacks provided.
- Do not sling rubbish sacks over your shoulder or brush them against body parts - there may be sharp items inside that could push through the sack and injure you.
- Extreme caution required with muddy areas and mangroves. Children to stay out of these areas and adults not to enter while wearing gumboots.
- Adults only are to handle sharp items such as broken glass and fish hooks.
- If you find a syringe, inform your trained team leader. They have a medical sharps container to collect it with. Do not attempt to pick it up, but do record it in your data sheet.
- If you find an unsanitary item such as a nappy, condom, tampon or bag of dog poo, please don't pick it up. Inform the team leader who can collect it with the biohazard bag.
- Do not pick up asbestos or anything that looks like hazardous industrial waste. If a volunteer does pick up asbestos, despite being told not to: Do not touch, seal off bag and take to transfer station /call council for proper removal.
- Keep clear of other beach users such as cars, motorbikes and horses. Do not loiter in areas that these beach users use.
- Do not touch pest control units / traps.
- If carrying rubbish means you can't move safely, distribute the litter between multiple sacks.
- Clean and sanitise your hands after clean-up and before eating.
- When conducting Litter Survey use safety glasses provided when hammering in stakes
- Our additional hazards that we need you to be aware of are ***(Read out all hazards and controls from your Site Risk Assessment)***

3.2 Litter Audit

Please deliver the following safety briefing to all litter audit participants:

- When setting up tables and auditing area please be aware of any moving parts in the table. Keep your fingers clear of these areas.
- Always lift sacks of rubbish with bent knees and a straight back. Do not strain yourself. If needed, ask for help.
- Always audit litter while wearing protective gloves and closed-toed shoes.
- Use safety glasses provided when dealing with wire or large sharp items.
- Adults only are to handle sharp items such as fish hooks and broken glass.

- Do no sling rubbish sacks over your shoulder or brush them against body parts - there may be sharp items inside that could push through the sack and injure you.
- If working in dusty areas, please wear eye protection.
- Make sure you have appropriate clothing on such as warm clothing, rain jacket and sun hat when appropriate.
- Our additional hazards that we need you to be aware of are ***(Read out all hazards and controls from your Site Risk Assessment if different from above)***

7. Emergency Procedures

The first priority in the event of an emergency is the for the safety of all people present.

7.1 In the Event of an Emergency

- Raise the alarm
- Evacuate people from the area if necessary
- Call 111 and follow instructions
- Await instruction and give the Emergency Pick-up Address (Page 1 of this plan)
- Do not hang up the phone until told to do so by emergency services
- If out of phone reception, use a UHF or VHF radio to raise the alarm - Coastguard or Police.
- If no one else can be reached activate your Emergency Locator Beacon

7.2 If Disaster Strikes

7.2.1 Strong Earthquake

High Severity, Low Likelihood

During Earthquake

- **If you are outdoors** when the shaking starts, move no more than a few steps away from buildings, trees, streetlights, and power lines, then Drop, Cover and Hold.
- **If you are at the beach or near the coast**, drop, cover and hold then move to higher ground immediately in case a tsunami follows the quake.
- **If you are driving**, pull over to a clear location, stop and stay there with your seatbelt fastened until the shaking stops. Once the shaking stops, proceed with caution and avoid bridges or ramps that might have been damaged.
- **If you are in a mountainous area** or near unstable slopes or cliffs, be alert for falling debris or landslides.

After an Earthquake

- Listen to your local radio stations as emergency management officials will be broadcasting the most appropriate advice for your community and situation.

- Expect to feel aftershocks.
- Check yourself for injuries and get first aid if necessary. Help others if you can.
- Watch out for fallen power lines or broken gas lines, and stay out of damaged areas.
- Only use the phone for short essential calls to keep the lines clear for emergency calls.

If an Earthquake is Long and Strong, Get Gone – refer to tsunami evacuation zone or look for street signs and road markings.

7.2.2 Tsunami - High Severity, Low Likelihood. Do not wait for instruction or warning system.

- Move to higher ground immediately.
- Try and go 1km inland or 35m above sea level

7.2.3 Flood - High Severity, Low Likelihood.

- Be prepared to get to high ground
- Turn off electricity and gas supplies
- Do not go into flood waters alone
- Do not drink flood water
- Move valuables, clothing, food and medicine above likely level of flood water if it is safe to do so

8. INSERT MAP HERE IF REQUIRED

Litter Intelligence.
Data. Insights. Action.

Visual Assessment

PHOTO REFERENCE GUIDE

OFFICIAL VERSION
1.3

A No litter present

B Predominantly free with some minor instances

C Widespread with some accumulations

D Heavily littered

Litter Intelligence.
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Plastic Resin Pellets

PHOTO REFERENCE GUIDE

OFFICIAL VERSION 1.3

Plastic resin pellets, nurdles, also called "mermaids' tears" are the raw material from which plastic products are made. We want to find out how common they are on the coastlines and in our environment. They pose a specific risk, pollution source and interest to the end users of the data.

Please visually assess the amount of plastic resin pellets in your Survey Area, particularly focusing at the high tide line where are likely to be found. You are not required to count, weigh or try to remove all pellets from the site. Select which of the following four 'Grades' best describes the amount of pellets you found in your Survey Area.

- **A** **None present:** No pellets seen along the survey area.
- **B** **Predominantly free:** 1–10 pellets seen along the survey area.
- **C** **Widespread:** 10–100 pellets seen along the survey area.
- **D** **Heavily affected:** More than 100 pellets seen along the survey area.

Plastic resin pellets shown here for size.

Example of a site with a Grade D rating.

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Beach surface

PHOTO REFERENCE GUIDE

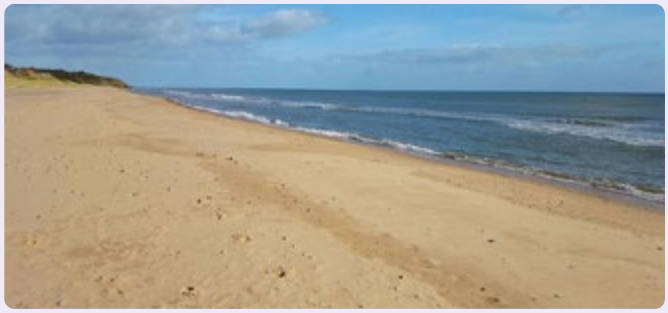
OFFICIAL VERSION 1.0

Mud

Very fine, soft and often sticky surface when dust and earth mixes with water. Includes silt and clay and tidal areas around mangroves.

Sand

Made of finely divided rock, shell and minerals. From very fine sand (0.0625mm) up to 2mm in diameter, e.g., a grain of rice.



Gravel / pebble

Coarse and smooth rounded rock fragment sized between 2mm and 64mm. Fits in a small hand.

Cobbles

Smooth, rounded rocks larger between 64mm and 256mm. Cobble and rock rubble are in the same size range, but differ in shape and finish. Just larger than a standard soccer ball.

Rock rubble

Coarse rock fragments between 64mm and 256mm. Cobble and rock rubble are in the same size range, but differ in shape and finish. Just larger than a standard soccer ball.

Boulder

Large detached rock: anything larger than 256mm in diameter. School-ruler sized boulders up to house-sized.

PTO

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Beach surface

PHOTO REFERENCE GUIDE

OFFICIAL VERSION
1.0

Bedrock

Solid (consolidated) rock ground or shelf.

Shell

Whole shell and shell fragments over 2mm in diameter. (Smaller than 2mm would be classified as sand).

Artificial

Includes (but is not limited to) marina, boat ramp, wharf, marine farm, drilling platform, artificial reef.

Mixed substrate

If there is more than one substrate represented on your beach. If there is a large majority of one surface type, e.g., a few shells on a sandy beach, choose the dominant type as your surface.

Unknown

If you are unsure of the type of substrate of your beach.

Litter Intelligence.
Data. Insights. Action.

Litter Categories

FOR REFERENCE DURING AUDIT

OFFICIAL VERSION 3.5

How to use this document

After your litter survey, take your rubbish to a safe and sheltered location to audit. Categorise your litter according to the categories below, copying the appropriate fields over to your **Audit Data** sheet and recording the count and weight as you go.

Health & Safety

Important instructions for some litter categories. Look for the icons below in the **H&S** column and follow instructions during your audit.

Take extra caution. Only adults to touch.

Biohazard: Only count, do not weigh. Only trained leaders to touch.

Code	Plastic	H&S	Notes & Examples
PL24.14	Bacterial habitat wheels		Caldines, kaldnes, bio balls, sewage
PL13	Baskets, crates & trays		Fish bins, pallets, bread
PL01	Bottle caps & lids		Toothpaste caps, nozzles, tops, corks
PL01.01	Bottle neck rings		Milk bottle rings
PL01.02	Bottle seals & tabs		
PL02	Bottles <= 2 L		
PL03	Bottles, drums, jerrycans & buckets > 2 L		
PL24.06	Cable ties & zip ties		Container door security seal
PL10	Cigarette lighters		Vapes, vaping devices
PL11	Cigarettes, butts & filters		Butts, filters
PL24.03	Clothes pegs		Plastic
PL12.1	Cosmetics and medical packaging		Inhalers, cosmetics, pill packets, condom wrappers, chapstick, shampoo bottles, conditioners, sunblock, sunscreen, cream, lotion, toothpaste tubes. Excludes syringes
PL05	Drink package rings		Six-pack rings, ring carriers
PL22	Fibreglass fragments		
PL17	Fishing gear		Plastic lures, traps & pots, glow sticks, knife handles, snifters, burley pots, berley pots, light sticks, cyalume sticks
PL18	Fishing line		Monofilament line & braids
PL20	Fishing net		
PL06	Food containers		Fast food, cups, lunch boxes, bread bag tags, coffee cups, coffee lids, plastic fish, soy sauce packets, condiment packets
PL07.01	Food wrappers		Candy, muesli bars, lolly wrappers, fruit stickers, tea bags
PL24.07	Gardening & farming related		Plant bags & pots, hose, plastic pipes, plant labels, weed matting, vine ties, tubes, bolus,drench capsules, capsules, bristles, oesophagus clips, brooms, brush, dust pans
PL09	Gloves		
PL24.11	Hangers & retail packaging		Retail packets, coat hangers, barcodes, tags, RFID, hooks, labels, silica pouches, gel sachets
PL24.04	Lollipop sticks		Lolly sticks
PL15	Mesh bags		Vegetables, oyster nets, mussel bags, nets, netting, fruits, elasticated mesh
PL24.10	Parking tickets & receipts		Wristbands, plastic

PL24.02	Pens & Stationery		Plastic pencils, glue sticks, binders, folders, laminating sheets, clips, vivids
PL07	Plastic bags		Includes opaque bags, clear bags, ziplock bags
PL14	Plastic buoys		Includes floats, mussel buoys, fishing buoys, buoys
PL16	Plastic sheeting		Tarpaulins, pallet wrap, weed matting, silage wrap, sacks, baleage wrap, haylage wrap, bubble wrap, shrink wrap
PL04	Plastic utensils		Knives, forks, spoons, stirrers, cutlery, plastic chopsticks
PL24.09	Plastic vehicle parts		Bike parts, bicycle parts. Excludes tyres
PL23	Resin pellets		Visual assessment only
PL19	Rope		Synthetic twine & string
PL24.08	Safety & construction related		Road cones, safety mesh, barrier arms, plumbing, pipes, conduit, caution tape, sea wall matting, geotextile fabric, curtain hooks, tile spacers, sealant tubes, caulking, PVC, broom bristles, tubes, dustpan, builder's bog
PL24.05	Shotgun wadding & shells		
PL21	Strapping bands & tape		Packaging tape, insulation tape, electrical tape, sellotape, packing tape
PL04.01	Straws		
PL12	Syringes	✕	**Biohazard:** Only trained leaders to touch. Don't weigh. Plastic
PL08	Toys, sport, & recreation (Plastic)		Plastic firework pieces, snorkels, sunglasses, goggles, golf balls, figurine, fake flowers, beads, garland, fake leaves, wreath, lei, Lego, tinsel, decorations, dive masks, party poppers
PL24.01	Unidentifiable hard plastic fragments		Unidentifiable plastic, fragments, melted plastic, burnt plastic
PL07.02	Unidentifiable soft plastic fragments		Plastic packet wrap, soft plastic, unidentifiable plastic, fragment,
PL24	Other plastic (specify)		Plastic, paint chips, casters, wheels, cap brim, dish brush, scrubbing brush, cigarette packet wrap, plastic funnel, corflute, signage, property sign, flasher rig packaging, roll your own cigarette packaging
Code	**Foamed Plastic**	**H&S**	**Notes & Examples**
FP05.02	Ear plugs		
FP03	Foam buoys		Includes floats
FP05.03	Foam glazier spacers		Blue foam squares, green foam squares
FP01	Foam sponge		
FP02	Polystyrene cups or food packs		Includes coffee cups, styrofoam
FP04	Polystyrene insulation or packaging		Includes bean bag foam balls, foam socks, sleeves, foam netting, wine sleeves
FP05.04	Toys, Sport, & Recreation (Foamed Plastic)		Nerf gun bullets, pool noodles, camping mats, yoga mats, balls, surf boards, toys, boogie boards, body boards, flasher rig packaging
FP05.01	Unidentifiable foamed plastic fragments		Unidentifiable foam, fragments
FP05	Other foamed plastic (specify)		Packaging, tubing, handle grip, insulation, flasher rig packaging
Code	**Fabric & Textiles**	**H&S**	**Notes & Examples**
CL02	Backpacks & bags		
CL03	Canvas, sailcloth & sacking (hessian)		Sacks
CL05	Carpet & furnishing		

CL01	Clothing, towels and linen		Bracelets, fashion accessories, clothing tags, socks, duvets, pillows, underwear, pants, jerseys, polyester, polypropylene, buttons, clips, buckles, cotton reel, clothing, hats, gloves, towels
CL01.01	Footwear & shoes		Excludes shoe soles, jandals, flip flops
CL04	Rope, line or string (natural)		Wool
CL06	Other cloth		Leather, dog collars, velcro, vinyl
CL06.01	Unidentifiable cloth fragments (specify)		Polyester stuffing, sea fluff, tennis ball fuzz, rags, dacron, unidentifiable cloth fragments
Code	**Glass & Ceramic**	**H&S**	**Notes & Examples**
GC02	Bottles & jars		
GC01	Construction material		Including bricks, cement, pipes, concrete, asphalt
GC05	Fluorescent light tubes		
GC06	Glass buoys		
GC07	Glass or ceramic fragments	!	**Can be sharp! Adults only.** Terracotta, pottery, glass & ceramic
GC04	Light globes/bulbs		
GC03	Tableware		Plates & cups
GC08	Other glass & ceramic (specify)		
Code	**Metal**	**H&S**	**Notes & Examples**
ME03	Aluminium drink cans		
ME02	Bottle caps, lids & pull tabs		
ME09	Construction material		Fencing & electrical wiring, nails, screws, staples, wire mesh, waratahs, rivets, bearings, tools, barbed wire, bolts, nuts, metal, wires
ME07	Fishing related	!	**Can be sharp!** Sinkers, lures, hooks, traps, pots, swivels, shark/long line clips, split rings, pliers, knife, clips
ME06	Foil wrappers		Tin foil, aluminium foil. Excludes foil lined plastic wrappers
ME05	Gas bottles, drums & buckets (> 4 L)		
ME10.02	Metal vehicle parts		Spark plugs
ME04	Other cans & containers (<= 4L)		Tin cans, aerosols, inhaler canisters, tubes, ointment tubes
ME10.01	Sharps, needles, lancets, metal catheters	✕	**Biohazard:** Only trained leaders to touch. Don't weigh. Metal
ME01	Tableware		Plates, cups, cutlery, utensils, knives, forks, spoons
ME08	Unidentifiable metal fragments		Unidentifiable metal, fragment
ME10	Other metal (specify)		Coins, sparklers, bullets, toys, bullet shells, shopping trolley/cart, figurine, stationary items, key rings, keys, rings, jewellery, buttons, watches, thumbtack, drawing pins, push pins, twist ties
Code	**Paper & Cardboard**	**H&S**	**Notes & Examples**
PC02	Cardboard boxes		
PC03	Cups, food trays & wrappers		Paper bags, cigarette packs, drink containers, cardboard takeaway containers, napkins, serviettes, rolling papers, zigzags, tea bags
PC04	Fireworks		Fireworks
PC01	Paper, newspapers & paper receipts		Magazines, newspaper, paper receipts
PC03.01	Tetrapaks		Cartons, flavoured milk, juice
PC05.01	Unidentifiable paper & cardboard fragments		Unidentifiable paper, fragments

PC05	Other paper & cardboard (specify)		Sandpaper, toilet rolls
Code	**Rubber**	**H&S**	**Notes & Examples**
RB08.02	Chewing gum		Chewing gum
RB08.03	Construction & Automotive		Plumbing, seals, washers, rubber & silicone sealants, o-rings
RB03	Gloves		Includes latex and rubber dipped gloves
RB05	Inner-tubes and rubber sheet		
RB06	Rubber bands		Sheep docking rings
RB02	Rubber footwear		Shoe soles, jandals, flip flops
RB01	Toys, Sports & Recreation (Rubber)		Swim caps, neoprene, wetsuits, goggles, dive masks, fins, flippers, snorkels, balloons, tennis balls, footballs, dog toys, straps
RB04	Tyres		Tyres
RB08.01	Unidentifiable rubber fragments		Unidentifiable rubber, fragments
RB08	Other rubber (specify)		Tip, walking stick foot, chair leg foot, glide, crutch
Code	**Wood**	**H&S**	**Notes & Examples**
WD01	Corks		Wine corks
WD02	Fishing traps and pots		Cork floats
WD05	Matches and wooden fireworks parts		
WD04	Processed timber & pallet crates		Includes fence & gate posts, unidentifiable wood, fragments, particle board, construction, fence post, tanalised wood, MDF, custom wood, cork tiles
WD03	Wooden utensils		Icecream sticks, chip forks, chopsticks, toothpicks, knives, spoons, stirrers, cutlery, chopsticks
WD06	Other wood (specify)		Pencil, toys, furniture
Code	**Other**	**H&S**	**Notes & Examples**
OT03	Appliances & electronics		Other, plugs, electric cords
OT04	Batteries (household)		AA, AAA, C, D, other household batteries
OT05.01	Batteries (non-household)		Vehicle and other non-household batteries
OT05.02	Boat parts		Other
OT02.01	Cotton buds		Cotton buds, earbuds, Q-tips
OT02.03	Faeces	⊗	**Biohazard:** don't weigh. Only count bags of poo Other
OT01	Paraffin or wax		Other
OT02.05	Personal care items		Hair ties, hair brushes, combs, toothbrushes, nail files, emery board, hair clips, hair pins, bobby pins, baby dummy, pacifier
OT02	Sanitary items	⊗	**Biohazard:** don't weigh. Nappies, tampons and applicators, bandages, plasters, sports tape, face masks, tissues, toilet paper, tp, napkins, liners, pads, catheter bags, condoms
OT05	Other (specify)		Chalk

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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area

Survey Date

Audit info

Audit Date

# of Auditors

Start Time

End Time

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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20							
21							
22							
23							
24							
25							
26							

Litter Intelligence.

Audit Data

OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
27							
28							
29							
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Litter Photos

PHOTO-TAKING REFERENCE GUIDE

OFFICIAL VERSION 1.1

These instructions are for taking photos during your Litter Intelligence audit. The photos you upload are used as part of our artificial intelligence project to improve the accuracy of our litter data. Uploading a photo will tag it to the data in the fields for that category. All photos are subject to our privacy terms at **litterintelligence.org/privacy-statement/**

✓ Do

Take photos of a single container with litter placed inside.

Take with a top-down perspective and the container roughly centred in the photo.

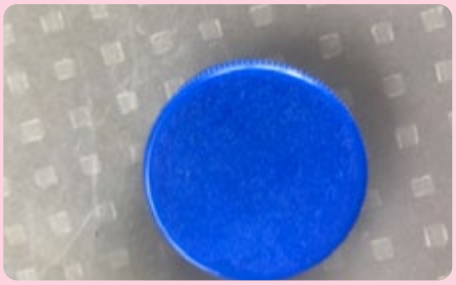
Put containers on a background of a single texture and colour whenever possible.

Aim for natural daytime lighting, ideally out of direct sunlight to reduce shadows.

✗ Don't

Don't have more than one ice cream container visible in the shot or shoot on an angle.

Don't take photos of the litter without the containers, or zoomed in photos of litter only.



Don't have large pieces of litter covering smaller pieces, or have it bunched in one area.

Don't have too many pieces of litter in the container.

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Survey Details

SURVEY AREA & LARGE ITEM INFORMATION

OFFICIAL VERSION 1.4

Survey Details

Survey date		
Monitoring group		Name of organisation.
Lead citizen scientist		Full name.
Email address		
Phone number		
Survey area		
Site risk assessment complete?	☐	Required
Health and safety briefing?	☐	Required
Beach surface	Mud, Sand, Gravel/Pebble, Cobbles, Rock Rubble, Boulder, Bedrock, Shell, Artificial, Mixed Substrate, Unknown	Circle one
Start Point location	Latitude:	Longitude:
Start Point description		Describe landmarks or other physical features to help identify survey Start Point.

Remember: Take 3 photos at start point (1) Out to sea (2) To back of beach (3) Along Survey Area

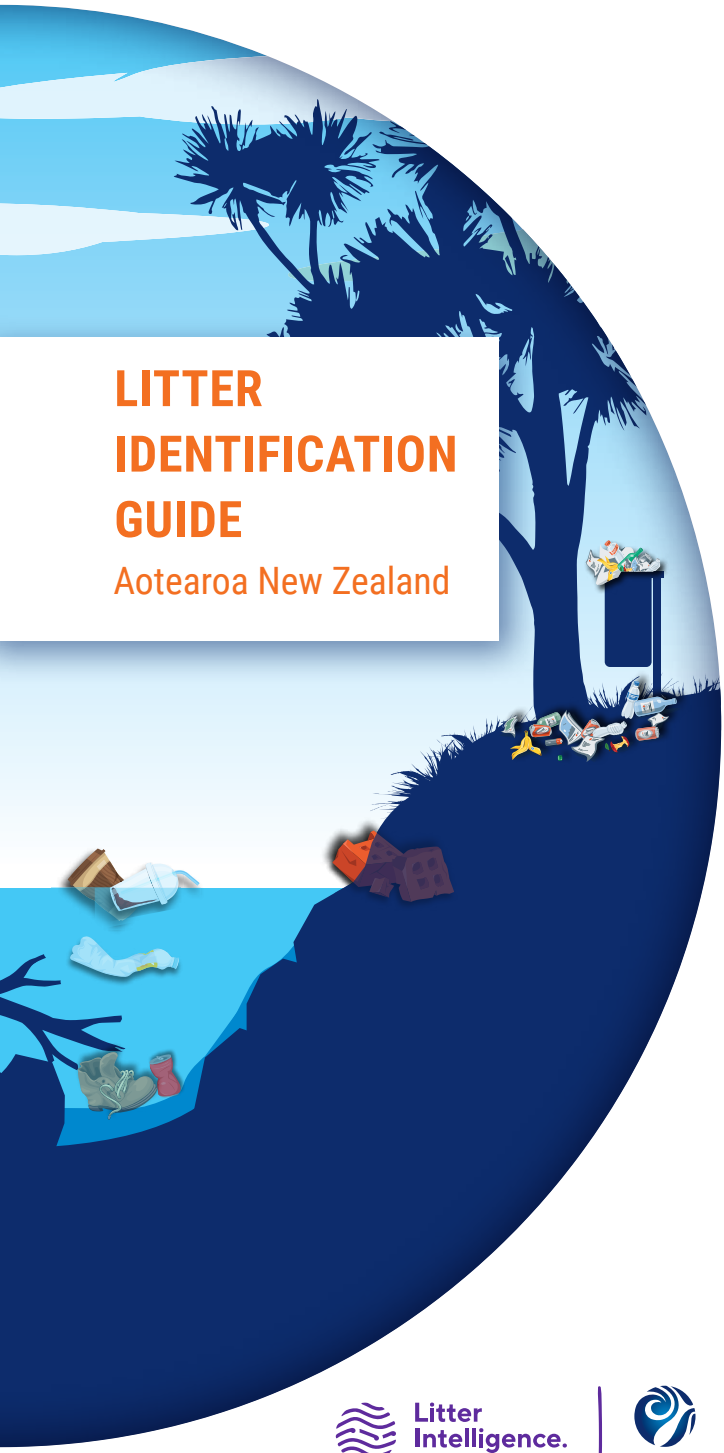
End Point location	Latitude:	Longitude:
End Point description		Describe landmarks or other physical features to help identify survey End Point.
Survey Area size		
Above Start Point	_____ metres	10m (or less, depending on beach conditions)
Below Start Point	_____ metres	10m (or less, depending on beach conditions)
Total length	_____ metres	Standard is 100m. Decrease for highly littered sites, or increase if fewer than 10 items found.
Visual Assessment Grade	A B C D	What's the visual assessment of the amount of litter on the overall beach? Select one.

Add large item

Category (if possible use standard codes)	Status (floating, sunken, stranded, buried)	Latitude (nnn.nnnnn NS)	Longitude (nnn.nnnnn EW)	Description

Survey info

Start time:	End time:	Number of collectors:
Add comments below.	Record any relevant or unusual observations — weather, land events, flotsam, jetsam, etc. Note any items categorised as 'other', make suggestions for keywords and categories. Any other comments.	



LITTER IDENTIFICATION GUIDE

Aotearoa New Zealand

Litter Intelligence.
Data. Insights. Action.

NIWA
Taihoro Nukurangi

Contents

Introduction

Litter, garbage, refuse, trash, debris, rubbish; there are many different names given this highly pervasive and visible form of pollution. Litter poses a significant risk to our environment, our health, and our economy. Despite our clean green image, Aotearoa's litter problem is getting worse. In 2016, approximately 860,000 Keep New Zealand Beautiful (KNZB) volunteers collected over 190,000 tonnes of litter from streets across the country. A subsequent National Litter Audit by KNZB, the first of its scale ever to be carried out in NZ, found very high numbers of cigarette butts, disposable nappies and takeaway containers polluting our landscape.

Litter is "any anthropogenic, manufactured, or processed solid material discarded, disposed of, or abandoned in the environment, including all materials discarded into the sea, on the shore, or brought indirectly to the sea by rivers, sewage, stormwater, waves, or winds".

United Nations Environment Programme. 2016. The Honolulu Strategy: A Global Framework for Prevention and Management of Marine Debris. *https://wedocs.unep.org/handle/20.500.11822/10670*

Litter Intelligence

In the marine domain, the Sustainable Coastlines Charitable Trust launched *Litter Intelligence* in May 2018, a programme for collecting data on beach litter and providing insight and inspiring actions for a litter-free Aotearoa. This programme includes Aotearoa's first national litter database. *Litter Intelligence* was funded by the Ministry for the Environment's Waste Minimisation Fund and works in close collaboration with Statistics New Zealand and the Department of Conservation.

It became increasingly clear that the most polluted sites in the *Litter Intelligence* database were beaches located near river mouths, reflecting the important role rivers play in transferring litter from the land to the sea. NIWA, with funding from the Ministry of Business, Innovation & Employment (MBIE) Endeavour Fund, began a 3-year research programme, in collaboration with the University of Canterbury, the Institute of Environmental Science and Research (ESR) and Mountains to Sea Wellington on understanding the role of rivers in mobilising and transporting plastics and other waste. As part of this project, a methodology for collecting litter data from rivers was developed, in co-operation with Sustainable Coastlines, to ensure comparable data across these two domains – marine and freshwater. Further help from the Palmy Plastic Pollution Challenge (a collaboration of Manawatū River Source to Sea and Massey University's Zero Waste Academy) was essential in developing a robust sampling methodology suitable for a wide range of streams.

These projects have demonstrated the value in ensuring data comparability when collecting litter from different environments; providing better data to identify the policy changes that will be the most effective and where investment is required. Nationally consistent methodologies also provide a baseline dataset to monitor litter into the future.

Classifying Litter

There are many different ways to classify litter and can include:

- by SOURCE:
  fishing, recreation, construction, illegal dumping, etc.
- by MATERIAL COMPOSITION:
  plastic, glass, paper, etc.
- by RISK PROFILE:
  poisonous, sharp, risk of entanglement, etc.

The classification system used in this guide is based on the United Nations Environment Programme (UNEP) and the Intergovernmental Oceanographic Commission (IOC) Guidelines on Survey and Monitoring of Marine Litter (*https://litterintelligence.org/about*). The classification has been further modified to ensure it is fit for purpose for marine, freshwater and terrestrial surveys. Sustainable Coastlines developed this classification with support from the Litter Intelligence Data Governance Group. The Group meets quarterly to discuss any changes required to improve the quality of the data that are collected. The minutes of these meetings are published on their website.

Litter Categories

Litter is classified into nine classes based on material composition (material class):

PLASTIC

FOAMED PLASTIC

FABRIC & TEXTILES

GLASS & CERAMIC

METAL

PAPER & CARDBOARD

RUBBER

WOOD

OTHER – includes many litter items that are made up of multiple material types (e.g., appliances & electronics, personal care items and sanitary items).

Within each material class, litter is further defined into discrete litter categories. As plastic makes up an estimated 80-85% of the litter profile, it represents the most diverse material class with 42 categories. The number of litter categories chosen represents a balance between having enough differentiation to have a good understanding of the litter profile versus having thousands of unique litter items in the database.

Each litter category includes a unique Litter Code. For example, the litter code for the category Bottle caps & lids is PL01. The litter code system allows for a more detailed identification of this category. Two new categories have been created that differ from the UNEP guide, Bottle neck rings (PL01.01) and Bottle seals & tabs (PL01.02). Provided these new categories are documented in the database it is possible to still compare the data to other surveys which don't use the same level of detail

Some litter categories are composed of diverse litter types. For example, the Plastic class – 'Gardening & farming related' includes all plastic litter items that could be used in these activities, from plant pots to hoses to plastic trowels.

Fragments & Other Litter Items

Each litter category has a section for fragments. Fragments include pieces of a larger item that are unable to be identified. For plastic litter, hard fragments are distinguished from soft fragments.

Occasionally you will encounter a litter item which doesn't seem to fit into any other category. Each material category will have an option for 'Other' which allows you to record unknown items or items which don't fit into an existing category. You can record what the item is (if known).

How to Use this Manual

The following manual provides a photographic guide to the litter categories used by Sustainable Coastlines and NIWA in their litter monitoring methodologies, and is applicable for monitoring litter at terrestrial, marine and freshwater sites (including stormwater monitoring).

The methods for monitoring marine beaches differs from streams and rivers. An outline of the different monitoring methodologies can be found on the Litter Intelligence website – *https://litterintelligence.org/about*. As of publication, methods for sampling lakes and wetlands have not been fully developed in Aotearoa.

This photographic guide is not exhaustive, but provides images for the more common litter items you will encounter, along with a description of the different items and where items may get confused. Not every litter category has a photo to accompany it.

The guide begins with a list of all material classes and accompanying LITTER CODES and litter categories. Examples of some of the types of litter in each category are usually given and, when necessary, common mistakes made in identifying litter (e.g., the difference between lollipop sticks and cotton buds). You may not find the litter item you are looking for in the photographic guide but it may be written in the examples. Following this is some more detailed LITTER ID explanations.

Some litter items can be placed in multiple categories depending on what it was used for, and require some knowledge or assumptions about the product. For example, a piece of plastic mesh may have been part of a barrier mesh used in road works (and therefore classified as 'Plastic – Safety & construction') or may have been part of a cray pot used in fishing (and therefore classified as 'Plastic – Fishing gear'). Often there are clues on the item itself or the surrounding area that may point to the most likely source of the litter item.

Litter Codes

PLASTIC

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
	SMALL PLASTICS	
PL24.12	Bacterial habitat wheels	Small plastic 'wheels' that are used as substrate for micro-organisms. Released from wastewater treatment plants. Also called bio carriers or bio balls.
PL23	Resin pellets	Small plastic spheres ranging from 1–5 mm (microplastics). Also called nurdles. Visual assessment only.
	FISHING ITEMS	
PL17	Fishing gear	Plastic lures, traps & pots, glow sticks, knife handles, burley pots. Some plastic mesh used for cray pots may be confused with barrier mesh which is recorded in PL24.08 (Plastic - Safety & Construction). Oyster nets are recorded in PL15 (Plastic – Mesh bags)
PL18	Fishing line	Monofilament line & braid
PL20	Fishing net	Fishing nets only. Other types of netting (e.g., vegetable mesh bags) are recorded in PL15 (Plastic - Mesh bags)
PL14	Plastic buoys	Mussel buoys or fishing buoys, floats

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
FOOD PACKAGING		
PL01	Bottle caps & lids	Drink bottle caps, toothpaste caps, nozzles
PL01.01	Bottle neck rings	Milk or drink bottle rings
PL01.02	Bottle seals & tabs	Drink bottle tabs
PL02	Bottles ≤ 2 L	Small bottles including drink bottles. Note that shampoo, sunscreen, toothpaste tubes and similar personal care bottles are recorded in PL12.1 (Plastic – Cosmetics & medical packaging)
PL05	Drink package rings	Six-pack rings or ring carriers
PL06	Food containers	Fast food, cups, lunch boxes, bread bag tags, coffee cups, coffee lids, soy sauce packages
PL07.01	Food wrappers	Candy, muesli bars and lolly wrappers, fruit stickers. Distinguished from soft plastics by identifiable labels.
PL04	Plastic utensils	Knives, forks, spoons, coffee stirrers
PL04.01	Straws	Plastic straws only

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
BROAD CATEGORIES		
PL24.07	Gardening & farming	Plant bags & pots, hose, plastic pipes, oesophagus clips (weasand clip), vine ties, plant labels, pipes (also found PL24.08 Plastic – Safety & Construction. Correct placement in either category requires some interpretation on what source is more likely)
PL24.11	Hangers & retail	Retail packaging, coat hangers and hooks, barcodes, silica pouches, labels
PL12.1	Medical & cosmetic	Medical packaging (inhalers, pill packets), lip balm, condom wrapper (if the condom is in the wrapper, record in RB07 Rubber – Condoms)
PL24.08	Safety & construction	Road cones, safety mesh, plumbing, conduits, caution tape, sea wall matting, geotextile fabric, curtain hooks, tile spacers, sealant tubes and caulking, brooms (and plastic bristles), dust pan, barrier mesh
PL08	Toys & sports	Plastic firework pieces, party poppers, sunglasses, goggles and snorkels, golf balls, figurines, fake flowers, beads, lego, tinsel, decorations, balloon clips

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
OTHER ITEMS		
PL13	Baskets, crates & trays	Fish bins, bread crates, shopping baskets
PL03	Bottles, drums, jerrycans & buckets > 2 L	Bottles greater than 2 litres
PL24.06	Cable ties	Zip ties
PL10	Cigarette lighters	Plastic lighters, vapes and vaping cartridges
PL11	Cigarettes	Cigarette butts and filters, cigar tips
PL24.03	Clothes pegs	Plastic clothes pegs (not metal or wooden ones)
PL22	Fibreglass fragments	Pieces of fiberglass insulation
PL09	Gloves	Clear plastic gloves included with hair dye packages. Rubber/latex gloves are in rubber category
PL24.04	Lollipop sticks	Cotton buds are included in OT02.01 (Other – Cotton buds)
PL15	Mesh bags	Vegetable nets (e.g., avocado bags), oyster nets, mussel bags, elasticated mesh
PL24.10	Parking tickets & receipts	Only plastic lined receipts. Paper receipts (can tear easily) are recorded in PC01 (Paper – Paper, newspapers & paper receipt)
PL24.02	Pens	Plastic pens, pencils and markers
PL07	Plastic bags	Includes opaque & clear bags and ziplock bags
PL16	Plastic sheeting	Tarpaulins, pallet wrap, silage wrap, weed matting

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
PL24.09	Plastic vehicle parts	Excludes tyres. Includes bike and scooter parts
PL19	Rope	Synthetic twine & string - natural rope is recorded in CL04 (Fabrics & Textiles – Rope, line or string)
PL24.05	Shotgun wadding & shells	Shotgun wad (plastic portion that keeps pellets separate from powder)
PL21	Strapping bands & tape	Packaging, insulation, electrical and cellotape, strapping bands
PL12	Syringes	Plastic syringes
PL24.01	Hard plastic fragments	Unidentifiable hard plastic fragments
PL07.02	Soft plastic fragments	Unidentifiable soft plastic fragments, bubble wrap, plastic ribbon
PL24	Other Plastic	Paint chips, casters, wheels, roll your own cigarette packaging, cigarette plastic wrap, corflute, dish brush

FOAMED PLASTIC

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
FP05.02	Ear plugs	
FP03	Foam buoys	Floats
FP01	Foam sponge	
	Foam spacers	Often blue or green, used to separate panes of glass
FP02	Cups or food packs	Foam coffee cups and takeaway containers
FP04	Insulation or packaging	Includes bean bag foam balls
	Toys, sports & recreation	Nerf gun bullets, pool noodles, camping mats, surf board, foam balls
FP05.01	Foamed plastic fragments	
FP05	Other Foamed Plastic	Tubing and handle grips, foam insulation

FABRIC & TEXTILES

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
CL02	Backpacks & bags	
CL03	Canvas, sailcloth & sacking	Hessian sacks
CL05	Carpet & furnishing	
CL01	Clothing, hats, gloves & towels	Bracelets, fashion accessories, clothing tags, socks, duvets, pillows
CL01.01	Footwear & shoes	Shoe soles, jandals, flip flops are recorded in RB02 (Rubber – Rubber footwear)
CL04	Rope, line or string (natural)	
CL06	Other cloth	Rags, pet collars, leather goods, velcro
CL06.01	Unidentifiable cloth fragments	Polyester stuffing, sea fluff, tennis ball fuzz

GLASS & CERAMIC

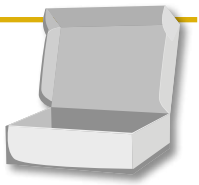
CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
GC02	Bottles & jars	Alcohol & drink bottles, food jars
GC01	Construction material	Brick, cement, pipes, concrete
GC05	Fluorescent light tubes	Common shapes include tubes or spirals
GC06	Glass buoys	Glass floats
GC07	Glass or ceramic fragments	Glass, ceramic & pottery fragments
GC04	Light globes/ bulbs	Incandescent or LED lights
GC03	Tableware	Plates & cups
GC08	Other Glass & Ceramic	

METAL

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
ME03	Aluminium drink cans	Soda & alcohol cans
ME02	Bottle caps, lids & pull tabs	Includes metal lids found on jars
ME07	Fishing related	Sinkers, lures, hooks, traps, swivels, shark & long line clips, knives used in fishing (requires some interpretation of the source)
ME06	Foil wrappers	Tin foil, aluminium foil. Excludes foil lined plastic wrappers
ME05	Gas bottles, drums & buckets (> 4 L)	
ME10.02	Metal vehicle parts	Spark plugs
ME04	Other cans (≤ 4 L)	Tin cans, aerosols, inhaler canisters, tubes, ointment tubes
ME10.01	Sharps	Needles, lancets, metal catheters
ME01	Tableware	Plates, cups & cutlery, utensils, knife, knives, fork, spoon
ME09	Construction material	Fencing wire, electrical wiring, nails, screws, staples, wires and wire mesh, barbed wire, bolts, nuts, waratah, tools
ME08	Metal fragments	
ME10	Other Metal	Coins, sparklers, bullets, toys, bullet shells, shopping trolley, key ring, jewellery, button, pins, twist tie

PAPER & CARDBOARD

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
PC02	Cardboard boxes	
PC03	Cups, food trays & wrappers	Paper bags, cigarette packs, drink containers, cardboard takeaway containers, napkin, rolling papers
PC03.01	Tetrapaks	Long-life milk & juice containers
PC04	Fireworks	Plastic firework pieces included in Plastic category
PC01	Paper, newspaper & paper receipts	Newspapers & paper receipts. If receipts don't tear easily, they are made of plastic and should be recorded in PL24.10 (Paper – Parking tickets and receipts)
PC05.01	Unidentifiable paper & cardboard fragments	
PC05	Other Paper & Cardboard	Toilet rolls, sand paper



RUBBER

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
RB08.02	Chewing gum	
RB07	Condoms	If wrapper only, record in PL12.1 (Plastic - Medical packaging & cosmetic)
RB08.03	Construction & automotive	Plumping, seals, o-rings & washers
RB03	Gloves	Latex and rubber dipped gloves
RB05	Inner-tubes & rubber sheets	Rubber sheet
RB06	Rubber bands	Plain rubber bands and sheep docking rings. Hair ties recorded in OT02.05 (Other - Personal care items)
RB02	Rubber footwear	Shoe soles, jandals, flip-flops, gum boots
RB01	Sports & recreation	Balloons - mylar balloons included in PL08 (Toys & sports related), tennis balls, footballs, dog toys
RB04	Tyres	
RB08.01	Rubber fragments	Rubber fragments may feel brittle due to oxidation
RB08	Other rubber	Rubber & silicone sealant, foot of walking stick or chair leg, crutch

WOOD

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
WD01	Corks	Wine corks
WD02	Fishing traps & pots	
WD05	Matches & fireworks parts	Plastic firework parts are recorded in PL08 (Plastic – Toys, sports & recreation)
WD04	Processed timber	Palette crates, fence & gate posts
WD03	Wooden utensils	Ice cream sticks, chip forks, chopsticks, toothpicks, knives, spoons, stirrers, cutlery
WD06	Other Wood	Pencils, wooden furniture, wooden clothes pegs, furniture

OTHER

CODE	ITEM	EXAMPLES, OTHER NAMES & COMMONLY MISTAKEN ITEMS
OT03	Appliances & electronics	Also included electric cords and plugs
OT04	Batteries (Household)	AA, AAA or other household batteries
OT05.01	Batteries (Non-household)	Vehicle and other non-household batteries
OT05.02	Boat parts	
OT02.01	Cotton buds	Look similar to lollipop sticks but cotton bud sticks are thinner and have ridges near top
OT02.03	Faeces	Only count bags of poo
OT01	Paraffin or wax	
OT02.05	Personal care items	Hair ties, combs, hair clips, toothbrush, bobby pin, emery board
OT02	Sanitary items	Nappies, tampons, plasters, sports tape, medical masks, catheter bag
OT05	Other	Chalk

PL PLASTIC

SMALL PLASTICS

Bacterial habitat wheels and resin pellets are small plastic items that are more often found on coastal beaches rather than in freshwater. Bacterial habitat wheels are used in wastewater treatment plants and are found downstream from these plants. They resemble small “wheels”. Resin pellets are the raw material used in the manufacture of plastic products. While some may be brightly coloured, they are often colourless or opaque, and turn shades of light yellow over time.

Bacterial habitat wheels

Resin pellets

FISHING ITEMS

Fishing items are more often found in the marine environment. Plastic fishing items include fishing gear, fishing line, fishing nets, and plastic buoys. Many fishing lures are metal and should be included in the Metal category. Plastic buoys are only included in this category if they are made of hard plastic. Polystyrene buoys are recorded in the Foamed Plastic category.

Fishing gear

Fishing gear

Fishing net

Plastic buoy

FOOD RELATED

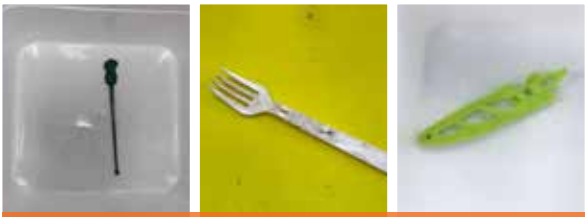
Food related litter can be the most common litter items found, particularly at sites with high recreational use. Any polystyrene plastic food containers are included in the Foamed Plastic material class.

Bottle caps & lids

Bottle neck rings

Bottle seals & tabs

Food containers



Plastic utensils

FOOD RELATED...continued

Many of the Bottles ≤ 2 L are beverage bottles (milk/juice jugs, soft drinks, water, juice, sports drinks) but non-food related bottles can also be found. Shampoo and other personal care bottles are recorded PL12.1 (Plastic- Cosmetics & medical packaging). Larger bottles (Bottles > 2L) are counted separately. Food Wrappers are very common and are distinguished from Unidentifiable soft plastic fragments by identifiable labels. Lollipop sticks are recorded separately from cotton buds, they often have holes at one end of the stick.

to be supplied

Food wrappers

Lollipop sticks

Bottles ≤ 2 L

Drink package rings

Straws

BROAD CATEGORIES

Some types of plastic litter are organised into broader categories based on their likely source and use. If you are unsure where an item belongs, read the example items for each category on page 7.


Gardening & farming


Medical packaging & cosmetics



Safety & construction



Hangers & retail packaging


Toys & sports

OTHER ITEMS

The remaining plastic categories represent a diverse range of plastic types and uses. Baskets, crates & trays and Bottles, drums, jerrycans & buckets > 2 L includes a variety of plastic packaging types. Examples include (but are not limited to): oil lube bottles, plastic buckets, bait containers, baskets, or barrels. Cigarette lighters also include vapes and vaping cartridges, which are being found in increasing numbers in litter surveys. Cigarettes and filters can be hard or fibrous (both are made of a synthetic polymer - cellulose acetate). Clothes pegs are only recorded here if plastic (not metal or wood).

Baskets, crates & trays

Bottles, drums, etc >2L

Cable ties

Cigarette lighters

Cigarettes, butts & filters

Clothes pegs

Fibreglass fragments

OTHER ITEMS...continued

Rubber, nitrile and latex gloves are recorded in the Rubber category. Most receipts are recorded in the Plastic – Parking tickets and receipts category but some receipts will be paper (and recorded in Paper & Cardboard – Paper, newspaper & receipts). Paper receipts can tear easily.


Plastic vehicle parts

Mesh bags

Parking tickets & receipts

Pens & stationary


Plastic bags


Plastic sheeting

OTHER ITEMS...continued

Most of the Rope you find will be plastic (generally made out of polypropylene, polyester or nylon). Ropes that are made of natural fibers can be identified by a 'softer' feel in most cases. Natural rope or twine is recorded in Fabric & Textiles – Rope, line or string. If Syringes are found, ensure that only trained leaders pick them up and that they are not weighed and disposed of correctly.

Unidentifiable hard plastic fragments and Unidentifiable soft plastic fragments are really common litter items. Unidentifiable soft plastic fragments are composed of thin plastic sheets, also called films, and are easily bent. Some may be food wrappers or pieces of plastic bags but there is no longer any distinguishing characteristics to be certain. Unidentifiable soft plastic fragments also include cling film (shrink wrap), bubble wrap and cigarette plastic wrap. Palette wrap and silage wrap are recorded as Plastic sheeting.

Rope

Shotgun wadding & shells

Strapping bands & tape

Syringes

Unidentifiable hard plastic fragments

Unidentifiable soft plastic fragments

Other plastic

FOAMED PLASTIC

Foamed plastic are a category of very light weight and floatable plastics which includes extruded polystyrene (EPS). Because EPS is 95% air, it is an excellent insulator and ideal for creating buoyancy. It is resistant to heat so it is often used in food packaging. Other types of plastics can be 'foamed', including PVC.

Ear plugs

Foam buoys

Foam glazier spacers

Polystyrene cups or food packs

Polystyrene insulation or packaging

Polystyrene insulation or packaging

Foam sponge

Unidentifiable foamed plastic fragments

Other foamed plastic

Toys, sports & recreation

FABRIC & TEXTILES

Fabric and textiles include many materials that are composed of synthetic fibers (e.g., polyester, nylon, acrylic and polyamide). It is often difficult to distinguish natural and synthetic fibers in discarded clothing, with many clothes having a blend of both natural and synthetic, and so separating these types of materials is not possible when categorising litter.

Rope, line or string is included in this category and can be identified by a 'softer' feel compared to synthetic rope. Most often the rope you find will be synthetic and will be recorded in the Plastic category. Footwear and shoes should be primarily composed of fabric on the exterior, with jandals and gumboots included in the Rubber category. Cloth fragments include fabric pieces can't be identified as an original object due to deterioration and includes rags.

Backpacks & bags

Canvas, sail-cloth & sacking

Carpet & furnishing

Clothing, towels & linen

Rope, line or string

Footwear & shoes

Other cloth

Unidentifiable cloth fragment

GLASS & CERAMIC

Glass and ceramic items are often broken by the time they are cleared from the stream or beach unless they were freshly discarded. Take care when cleaning up glass by wearing thick gloves or using a trowel. Most glass bottles and jars will have metal caps or lids. If they are still attached, the lids are not counted separately.

Construction material may be too heavy to weigh or even remove. You can record the number of these items on your data sheet without recording the weight. Note if they weren't removed so they won't be counted again at the next visit.


Bottles & jars


Construction material


Glass or ceramic fragments

Light globes/ bulbs

Tableware

Fluorescent light bulbs

METAL

Metal items can have sharp edges so take care when picking up. Use thick gloves and a scooper or rubbish picker. If there are metal drums at your site, do not attempt to remove as they may have chemicals. Alert your local council.

Aerosol (spray) cans are often found separated from their lids. Aerosol cans are recorded in Other cans & containers (≤ 4L). If their lids are found, they are recorded in Plastic – Bottle caps & lids.

Aluminium drink cans

Bottle caps, lids & pull tabs

Fishing related

Foil wrappers

Gas bottles, drums & buckets (>4L)

Tableware

Other cans & containers (≤ 4L)

METAL...continued

Sharps, needles, lancets, metal catheters (not pictured) are a special category of medical waste that represent a significant biohazard risk. Only trained leaders should pick up and they should not be weighed. Sharps should be disposed of in a hard (puncture proof) plastic container first. Some regions have collection facilities at participating pharmacies.

Construction material may be too heavy to weigh or even remove. You can record the number of these items on your data sheet without recording the weight. Note if they weren't removed so they won't be counted again at the next visit.



Construction material

Unidentifiable metal fragments


Other metal



Other metal

PC PAPER & CARDBOARD

Paper and cardboard items will deteriorate due to exposure to the environment and are often very wet by the time they are collected during a clean-up, making counting and weighing difficult. Cups, food trays & wrappers include cardboard takeaway containers and paper fast food bags and also cigarette packages and rolling papers.

Paper receipts are included in the category Paper, newspaper & paper receipts and are distinguished from those recorded in the category Plastic – receipts by being easy to tear (not covered with a plastic film).

Cardboard boxes

Cups, food trays & wrappers

Tetrapaks

Fireworks

Paper & cardboard fragments

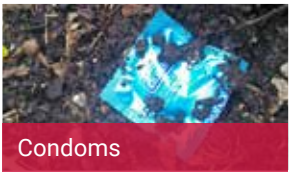
Paper, newspapers & paper receipt

Paper & cardboard fragments

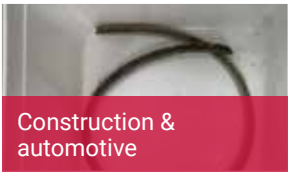
Other paper & cardboard

RUBBER

Rubber can be found in nature and harvested as latex from several types of trees. But much of the rubber we use today is a synthetic (man-made) polymer. Plastic gloves include thin, often clear gloves used in food preparation and included in hair dye packages. Rubber bands include sheep docking rings used tail docking.



Condoms



Construction & automotive

Gloves

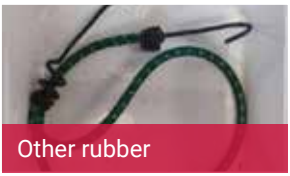
Inner tubes & rubber sheet

Rubber footwear

Rubber bands

Sports & recreation

Tyres



Other rubber

WOOD

Lumber that has been cut into beams/planks or treated by humans should be recorded as **Processed timber & pallet crates**. Natural woody debris and burnt firewood are not considered debris. Furniture is recorded as **Other wood** however if it is composed primarily of fabric is it recorded in **Fabric & textiles – Carpet & Furnishing**.

Corks

Processed timber & pallet crates

Wooden utensils

Other wood

OTHER

Other items include litter items that often include a mix of materials; e.g., appliances and electronics can be composed of metal, plastic, rubber, and glass. It also includes categories of litter than can be particularly hazardous in the environment. Batteries can leach toxic chemicals into the environment. Sanitary items and bags of dog feaces can introduce pathogens and pose a health risk to people.

The presence of cotton buds and some sanitary items can indicate the presence of sewage and is why we distinguish cotton buds from lollipop sticks. It is important to take care when handling these items – use gloves or grab them with a pick up tool, don't weigh them and minimise the amount of time you are near these items.

Appliances & electronics

Appliances & electronics

Batteries (household)

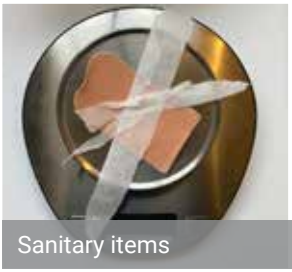
Batteries (non-household)

Cotton buds

Faeces

Paraffin or wax

Personal care items



Sanitary items

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Book design:	EOS Ecology

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Litter Audit Data Categories Version 3.1

Appendix 3 – Data shared on Litter Intelligence Application

APPENDIX 3 - DATA SHARED ON LITTER INTELLIGENCE APPLICATION

Organisation		Samoa Conservation Society & Global Shapers Apia Hub - Site 1		Samoa Conservation Society & Global Shapers Apia Hub - Site 2		Ministry of Natural Resources and Environment - Samoa		WMCD of Honiara City Council - Solomon Islands		Tulagi Zone 3 Waste Champions - Solomon Islands		MECDM/ Environment and Conservation Division, Solomon Island		Positive Change for Marine Life/ WSSA/ WPNSE - Solomon Islands		Guadalcanal Provincial Fisheries/ Tiaro MMA - Solomon Islands		Resilience Innovation and Social Change Club (RISC-GC) - Solomon Islands		FSE Vaimoana - Wallis		A VAKA HEKE - Wallis		TOTAL	
Link to the online data on Litter Intelligence		https://litterintelligence.org/data/survey?id=1848		https://litterintelligence.org/data/survey?id=1849		https://litterintelligence.org/data/survey?id=2524		https://litterintelligence.org/data/survey?id=1842		https://litterintelligence.org/data/survey?id=1862		https://litterintelligence.org/data/survey?id=1840		https://litterintelligence.org/data/survey?id=1871		https://litterintelligence.org/data/survey?id=2191		https://litterintelligence.org/data/survey?id=2190		https://litterintelligence.org/data/survey?id=1856		https://litterintelligence.org/data/survey?id=1833			
Litter Item	**Litter Item Code**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**
PLASTIC																									
Bottle caps & lids	PL01	0	0	354	1,770	94	1,820	88	3	25	300	442	12	0	0	45	30	0	0	8	24	69	172	1,125	4,131
Bottle neck rings	PL01.01	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Bottle seals & tabs	PL01.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottles <= 2 L	PL02	420	4,200	635	10,200	117	10,250	87	37	0	0	630	39	28	670	50	400	1,319	84,000	23	738	113	2,000	3,422	112,534
Bottles, drums, jerrycans & buckets > 2 L	PL03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	316	3	24	6	340
Plastic utensils	PL04	0	0	0	0	7	10	16	6	0	0	0	0	7	221	0	0	0	0	0	0	0	0	30	237
Straws	PL04.01	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	39	100	0	0	0	0	41	102
Drink package rings	PL05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Food containers	PL06	25	2,400	181	7,600	35	1,100	8	14	0	0	27	2	3	6	0	0	0	0	9	69	13	112	301	11,303
Plastic bags	PL07	0	0	50	4,600	25	1,850	18	7	0	0	445	17	13	543	85	800	244	4,500	82	260	29	1,200	991	13,777
Food wrappers	PL07.01	290	2,900	0	0	166	2,950	20	1	0	0	0	0	48	77	0	0	0	0	1	100	7	20	532	6,048
Toys, sport, & recreation (Plastic)	PL08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	1	10
Gloves	PL09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cigarette lighters	PL10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	3	5
Cigarettes, butts & filters	PL11	0	0	0	0	0	0	48	1	60	40	0	0	0	0	0	0	0	0	0	0	14	6	122	47
Syringes	PL12	0	0	0	0	1	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	N/A
Cosmetics and medical packaging	PL12.1	0	0	0	0	0	0	0	0	20	5,000	0	0	0	0	0	0	0	0	0	0	0	0	20	5,000
Baskets, crates & trays	PL13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plastic buoys	PL14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mesh bags	PL15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	1,330	0	0	34	1,330
Plastic sheeting	PL16	0	0	0	0	23	2,150	16	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2,000	41	4,152
Fishing gear	PL17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	48	6	2,308	7	2,356
Fishing line	PL18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1,200	1	1,726	3	211	15	3,137
Rope	PL19	0	0	0	0	0	0	0	0	0	0	2	800	3	46	0	0	0	0	23	2,150	5	7,500	33	10,496
Fishing nets	PL20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	10,200	6	10,200
Strapping bands & tape	PL21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fibreglass fragments	PL22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	903	0	0	12	903
Resin pellets	PL23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Other Plastic	PL24	0	0	2	6,600	0	0	0	0	0	0	198	17	0	0	0	0	0	0	1	37	0	0	201	6,654
Unidentifiable hard plastic fragments	PL24.01	0	0	0	0	64	2,650	0	0	0	0	0	0	5	866	0	0	0	0	0	0	3	100	72	3,616
Pens & Stationery	PL24.02	0	0	0	0	0	0	0	0	0	0	0	0	2	10	0	0	0	0	0	0	1	7	3	17
Clothes pegs	PL24.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	1,800	0	0	0	0	51	1,800
Lollipop sticks	PL24.04	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	10	6	13	8
Shotgun wadding & shells	PL24.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cable ties & zip ties	PL24.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	26	0	0	9	26
Gardening & farming related	PL24.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety & construction related	PL24.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	644	25	1,449	31	2,093
Plastic vehicle parts	PL24.09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Parking tickets & receipts	PL24.10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifiable soft plastic fragments	PL07.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	678	0	0	12	678
Bacterial habitat wheels	PL24.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hangers & retail packaging	PL24.11	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	3	6
Sub-total - Plastic		735	9,500	1,222	30,770	532	22,780	301	71	105	5,340	1,744	887	118	2,450	180	1,230	1,664	91,600	225	9,049	313	27,330	**7,139**	**201,007**
FOAMED PLASTIC																									
Foam sponge	FP01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	40	0	0	0	0	0	0	68	40
Polystyrene cups or food packs	FP02	1	1,000	217	2,600	0	0	0	0	0	0	700	5	23	6	0	0	0	0	0	0	58	800	999	4,411
Foam buoys	FP03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2,000	3	2,000
Polystyrene insulation or packaging	FP04	0	0	0	0	0	0	0	0	0	0	0	0	11	12	0	0	0	0	1	857	13	205	25	1,074
Other Foamed Plastic	FP05	1	500	2	2,800	0	0	0	0	38	2,120	0	0	2	13	0	0	0	0	0	0	2	14	45	5,447
Unidentifiable foamed plastic fragments	FP05.01	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	1	5
Ear plugs	FP05.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Foam glazier spacers	FP05.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Toys, Sports & Recreation (Foamed Plastic)	FP05.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	1,678	24	1,678
Sub-total - Foamed Plastic		2	1,500	219	5,400	0	0	0	0	38	2,120	700	5	37	36	68	40	0	0	1	857	100	4,697	**1,165**	**14,655**

APPENDIX 3 - DATA SHARED ON LITTER INTELLIGENCE APPLICATION

Organisation		Samoa Conservation Society & Global Shapers Apia Hub - Site 1		Samoa Conservation Society & Global Shapers Apia Hub - Site 2		Ministry of Natural Resources and Environment - Samoa		WMCD of Honiara City Council - Solomon Islands		Tulagi Zone 3 Waste Champions - Solomon Islands		MECDM/ Environment and Conservation Division, Solomon Island		Positive Change for Marine Life/ WSSA/ WPNSE - Solomon Islands		Guadalcanal Provincial Fisheries/ Tiaro MMA - Solomon Islands		Resilience Innovation and Social Change Club (RISC-GC) - Solomon Islands		FSE Vaimoana - Wallis		A VAKA HEKE - Wallis		TOTAL	
Litter Item	**Litter Item Code**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**
FABRIC & TEXTILES																									
Clothing, towels and linen	CL01	0	0	0	0	38	2,150	0	0	0	0	0	0	4	1,338	3	20	16	2,800	11	258	2	18	74	6,584
Footwear & shoes	CL01.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	500	21	2,000	2	195	0	0	25	2,695
Backpacks & bags	CL02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Canvas, sailcloth & sacking (hessian)	CL03	1	1,600	2	9,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11,200
Rope, line or string (natural)	CL04	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	1	9,500	0	0	3	9,501
Carpet & furnishing	CL05	0	0	0	0	0	0	0	0	6	25,401	0	0	4	354	12	700	6	3,900	0	0	0	0	28	30,355
Other cloth	CL06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifiable cloth fragments	CL06.01	0	0	1	800	0	0	0	0	0	0	0	0	13	40	0	0	0	0	10	570	0	0	24	1,410
Sub-total - Fabric & Textiles		1	1,600	3	10,400	38	2,150	0	0	6	25,401	0	0	23	1,733	17	1,220	43	8,700	24	10,523	2	18	**157**	**61,745**
GLASS & CERAMIC																									
Construction material	GC01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bottles & jars	GC02	80	16,000	206	37,000	4	1,630	0	0	26	11,800	0	0	0	0	0	0	0	0	0	0	40	5,400	356	71,830
Tableware	GC03	8	5,000	0	0	0	0	0	0	5	4,000	0	0	0	0	0	0	45	5,000	0	0	0	0	58	14,000
Light globes/bulbs	GC04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16	0	0	1	16
Fluorescent light tubes	GC05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glass buoys	GC06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glass or ceramic fragments	GC07	0	0	0	0	48	2,000	62	6	0	0	169	500	24	986	0	0	0	0	2	29	0	0	305	3,521
Other Glass & Ceramic (specify)	GC08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total - Glass & Ceramic		88	21,000	206	37,000	52	3,630	62	6	31	15,800	169	500	24	986	0	0	45	5,000	3	45	40	5,400	**720**	**89,367**
METAL																									
Tableware	ME01	1	1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1,000
Metal Bottle caps, lids & pull tabs	ME02	270	1,000	0	0	17	900	0	0	0	0	0	0	3	1	0	0	0	0	2	6	0	0	292	1,907
Aluminium drink cans	ME03	50	2,250	293	4,400	52	3,800	58	15	0	0	0	0	45	169	71	40	0	0	5	172	107	2,600	681	13,446
Other cans (<= 4 L)	ME04	0	0	0	0	0	0	0	0	0	0	2	140	8	832	0	0	480	21,000	0	0	7	200	497	22,172
Gas bottles, drums & buckets (> 4 L)	ME05	0	0	0	0	0	0	42	105	40	6,900	377	36,100	0	0	35	30	175	26,000	0	0	0	0	669	69,135
Foil wrappers	ME06	8	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	75	18	575
Fishing related	ME07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3,163	7	24	11	3,187
Unidentifiable metal fragments	ME08	0	0	0	0	0	0	0	0	0	0	0	0	1	26	0	0	0	0	0	0	0	0	1	26
Construction material	ME09	0	0	0	0	5	2,550	0	0	0	0	0	0	0	0	0	0	0	0	4	74	86	18,040	95	20,664
Other Metal	ME10	18	6,000	3	12,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	71	0	0	22	18,771
Sharps, needles, lancets, metal catheters	ME10.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Metal vehicle parts	ME10.02	0	0	0	0	1	1,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	150,000	2	151,800
Sub-total - Metal		347	10,750	296	17,100	75	9,050	100	120	40	6,900	379	36,240	57	1,028	106	70	655	47,000	16	3,486	218	170,939	**2,289**	**302,683**
PAPER & CARDBOARD																									
Paper, newspapers & paper receipts	PC01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cardboard boxes	PC02	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	3	385	4	389
Cups, food trays & wrappers	PC03	70	2,000	662	12,400	0	0	0	0	0	0	8	500	0	0	0	0	225	3,600	0	0	6	37	971	18,537
Fireworks	PC04	0	0	0	0	0	0	0	0	15	2,040	0	0	0	0	0	0	0	0	0	0	0	0	15	2,040
Other Paper & Cardboard (specify)	PC05	0	0	0	0	0	0	0	0	0	0	0	0	3	23	0	0	21	500	0	0	1	38	25	561
Unidentifiable paper and cardboard fragments	PC01.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tetrapaks	PC03.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	89	4	89
Sub-total - Paper & Cardboard		70	2,000	662	12,400	0	0	0	0	15	2,040	8	500	4	27	0	0	246	4,100	0	0	14	549	**1,019**	**21,616**
RUBBER																									
Toys, Sports & Recreation (Rubber)	RB01	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	1	3
Rubber footwear	RB02	14	2,000	29	4,100	28	3,350	12	71	0	0	0	0	3	290	0	0	0	0	7	446	0	0	93	10,257
Rubber gloves	RB03	0	0	0	0	0	0	0	0	16	1,000	0	0	0	0	0	0	0	0	0	0	0	0	16	1,000
Tyres	RB04	0	0	0	0	2	1,500	0	0	0	0	0	0	0	0	0	0	0	0	1	971	0	0	3	2,471
Inner-tubes and rubber sheet	RB05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	180	0	0	10	180
Rubber bands	RB06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Rubber (specify)	RB08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	293	0	0	5	293
Unidentifiable rubber fragments	RB08.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chewing gum	RB08.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction & Automotive	RB08.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	11	2	11
Sub-total - Rubber		14	2,000	29	4,100	30	4,850	12	71	16	1,000	0	0	4	293	0	0	0	0	23	1,890	2	11	**130**	**14,215**
WOOD																									
Corks	WD01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	1	7
Fishing traps and pots	WD02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wooden utensils	WD03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Processed timber & pallet crates	WD04	0	0	0	0	0	0	0	0	4	9,000	0	0	0	0	0	0	0	0	0	0	3	100	7	9,100
Matches and wooden fireworks parts	WD05	0	0	0	0	0	0	0	0	15	30,000	0	0	0	0	0	0	198	14,000	0	0	0	0	213	44,000
Other Wood (specify)	WD06	1	2,500	1	2,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4,700
Sub-total - Wood		1	2,500	1	2,200	0	0	0	0	19	39,000	0	0	0	0	0	0	198	14,000	1	7	3	100	**223**	**57,807**

APPENDIX 3 - DATA SHARED ON LITTER INTELLIGENCE APPLICATION

Organisation		Samoa Conservation Society & Global Shapers Apia Hub - Site 1		Samoa Conservation Society & Global Shapers Apia Hub - Site 2		Ministry of Natural Resources and Environment - Samoa		WMCD of Honiara City Council - Solomon Islands		Tulagi Zone 3 Waste Champions - Solomon Islands		MECDM/ Environment and Conservation Division, Solomon Island		Positive Change for Marine Life/ WSSA/ WPNSE - Solomon Islands		Guadalcanal Provincial Fisheries/ Tiaro MMA - Solomon Islands		Resilience Innovation and Social Change Club (RISC-GC) - Solomon Islands		FSE Vaimoana - Wallis		A VAKA HEKE - Wallis		TOTAL	
Litter Item	**Litter Item Code**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**	**Count**	**Weight (g)**
OTHER																									
Paraffin or wax	OT01	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Sanitary items	OT02	0	0	0	0	0	0	8	N/A	34	N/A	0	0	5	N/A	0	0	205	N/A	0	0	5	N/A	257	N/A
Faeces	OT02.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	N/A	0	0	0	0	21	N/A
Personal care items	OT02.05	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	13	1,400	0	0	0	0	14	1,404
Appliances & electronics	OT03	1	450	4	20,000	0	0	0	0	0	0	0	0	2	80	0	0	0	0	0	0	3	500	10	21,030
Batteries (Household)	OT04	11	250	0	0	0	0	0	0	0	0	0	0	2	1,038	0	0	0	0	9	985	2	2,087	24	4,360
Other	OT05	0	0	0	0	0	0	0	0	0	0	676	24	0	0	0	0	0	0	0	0	1	22,000	677	22,024
Batteries (Non-household)	OT04.01	0	0	0	0	0	0	1	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	500,000
Boat parts	OT05.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8,000	7	8,000
Sub-total - Other		12	700	4	20,000	0	0	9	500,000	34	0	676	24	11	1,123	0	0	239	1,400	9	985	18	32,587	**1,012**	**556,819**
TOTAL		1,270	51,550	2,642	139,370	727	42,460	484	500,268	304	97,601	3,676	38,156	278	7,676	371	2,560	3,090	171,800	302	26,842	710	241,631	**13,854**	**1,319,914**

Appendix 4 – Final Reports of Associations

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

TE IPUKAREA SOCIETY

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Te Ipukarea Society

Project Manager (and contact details):

Name: Alanna Smith

Email: alannamatamaru@gmail.com

Phone: +682 21144

Organisation Description and History:

Te Ipukarea Society (TIS) was established in 1996 in Rarotonga Cook Islands. TIS are a non-government environmental organisation who are members of IUCN and BirdLife International. TIS is made up of a small staff team of, 2 full time paid staff and 2 half time paid staff members. The organisation has both individual and corporate members based across the Cook Islands.

Our project areas are based on the society's 5 focus groups that include: Waste management; climate change; eco sustainable development; biodiversity and youth.

TIS has skills and experience in producing various environmental awareness-raising TV ads and documentaries, and is very active on social media. These platforms are mediums which TIS believe best reach the local community to encourage positive environmental behavioural changes. TIS also works closely with local schools, educating students of all age groups on topics that are of environmental interest. Waste management and in particular 'Ocean Pollution' has been a popular school topic as of late.

2. ABOUT THE CLEAN-UP DAYOverall information

Description of the activity:

Local school Apii Nikao who neighbour's the popular Social Centre beach have raised concerned over the community and visiting guest's disappointing habits when it comes to incorrectly disposing their waste. The school has found social Center beach littered with rubbish on a regular occasion despite rubbish bins being put in place.

The International coastal clean-up event provided a beneficial opportunity to not only beautify and reduce the amount of waste potentially making its way to our marine environment. But also allowed for valuable data to be recorded so assessments can be made over time to identify whether the problem has improved or gotten worse.

Video content was also produced on the day capturing awareness raising messages to encourage positive environmental behavioural changes in people. Messaging included

1)simple solutions to reducing plastic waste by actions that "refuse" and "reuse".

2)The negative impacts of leaving rubbish on the beach and how it can harm our marine life.

3)That all rubbish brought to the beach should be taken home or put in the bin.

We hope that the positive behavioural impact of these TV ads can be measured through data collected in the next school clean up event/waste audit.

Location of the clean-up activity:

Rarotonga Cook Islands, Social centre beach

Length = 800 m

Width = 30 m

Area = 24,000 m_2

Timetable: 26th September 2022 - 12pm – 2.30pm

Number of participants: (Registration form in Appendix 1), including

- Women: 220
- Men: 100
- Children (under 18 years old): 300

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

1.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	28.7kg	501.5L
Aluminium cans	13.1kg	170L
Glass	42.5kg	105.4L
Other (cardboard misc hardcaps,)	8kg	90L
E- waste	4kg	30L

* Use the most appropriate column according to the type of waste

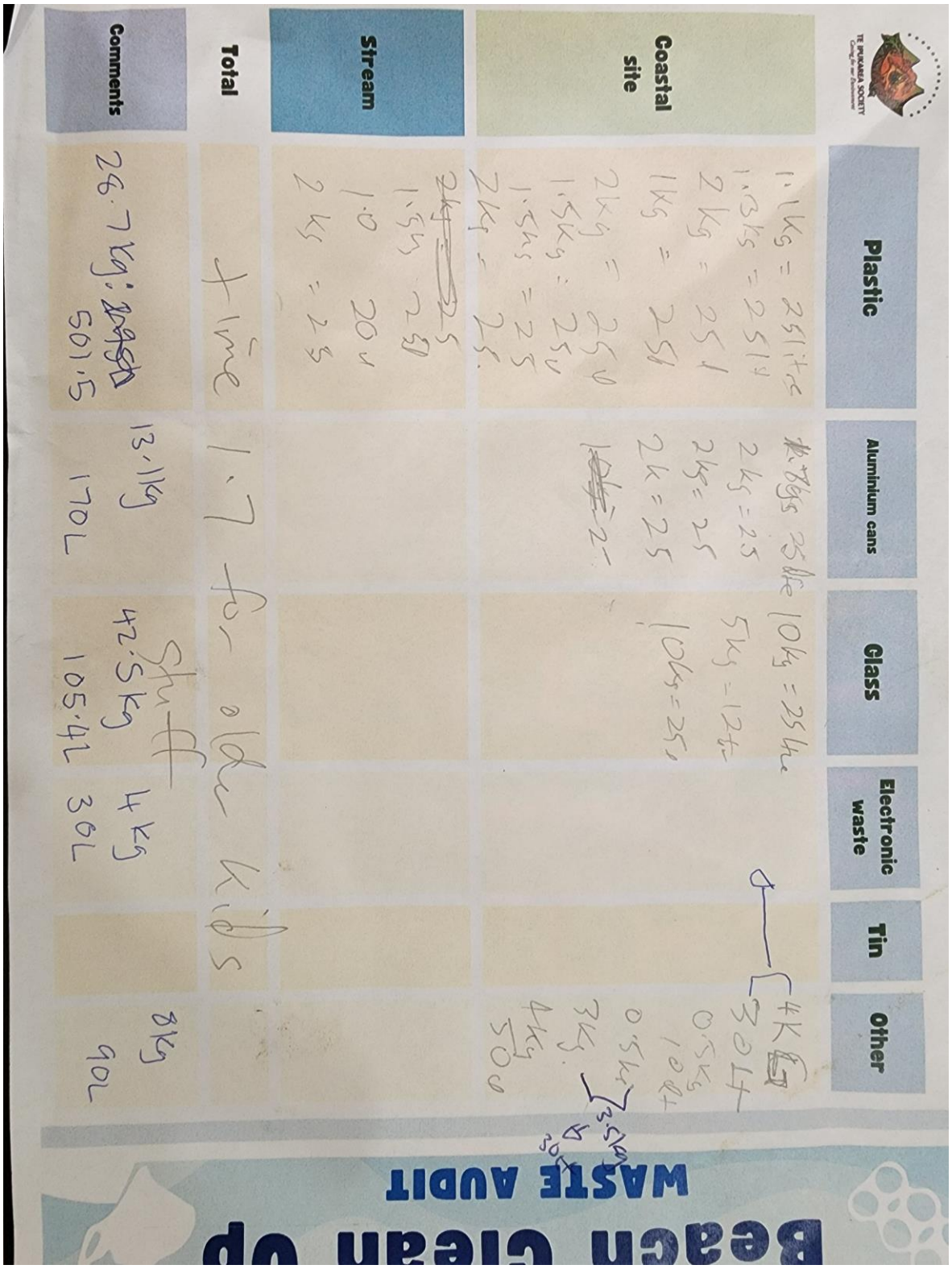
(Waste collection form in Appendix 2).


MAURI
maximus
Strong bakers flour
20kg NET

Photographic coverage of the event (Insert photos of the event and waste collected):

Appendix 1 – Registration form

Appendix 2 – Waste collection form



International Coastal Clean-up Day 2022

In collaboration with the *Committing to Sustainable Waste Actions in the Pacific Project (SWAP)*, the *Pacific Ocean Litter Project (POLP)*, the *KIOST Pacific Ocean Acidification Programme*

and

Samoa Recycle & Waste Recycle Association

September 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Samoa Recycle & Waste Management Association

Project Manager (and contact details): Telefina Sio

fina.sio@srwma.ws

Organisation Description and History:

SRWMA is an NGO that consists of 12 full members and 35 affliating member it was established in Nov of 2017, and is set up to address problematic waste such as plastic ewaste, waste oil, etc

SRWMA advocates for 3rs plus return and has over the years led many awareness campaigns, and coastal clean ups, to help keep samoa clean, green and healthy.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

Docket our activities leading up to the date on our social media platform, seek permission from our partners to join their radio, tv talk show to promote the coastal clean up and the groups we have teamed up with.

SRWMA team will head to Savaii a day before the cleanup to setup and monitor the clean-up, will start off with housekeeping and safety measures, etc.

Clean up, sorting and weighing.

Debrief on how much trash collected, Thank the participants.

Group Photo.

Refreshment.

Location of the clean-up activity: Salelologa, Savaii

Timetable:

Number of participants: (Registration form in Appendix 1), including

- Women:18
- Men:17
- Children (under 18 years old):11

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Bottle lids	1	12
Aluminium cans	1	6
Coffee cups	1	4
Plastic Bags	1	25
Glass Bottles	1	1
Plastic Bottles	2	27
Broken Glass	1	1

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):

Appendix 1 – Registration form

NAME	ORGANISATION
Sinapati Ulberg	SSTA
Vincent Tuitea	SSTA
Epelani. Bourne	SSTA
Matariu Stowers.	SSTA
Evelynn ~~M~~ Fuiava	SSTA
Alma. Mataiutia	Tamauli
Jamie. Afamasaga.	Tamauli
Theamaureen. Hunt	SSTA
Alfred. Aloi	Tamauli
Junior. Motoaga	Faga Pri.
Alma Williams	Faga Pri
Josua Lome	SSTA
Christopher Mulipola	SSTA
Josh Osou.	Tama uli.
~~[illegible]~~	
Vince Sio	Tamauli.
Bernard Lufaele	Tamauli
Vincent Tuitea (FB)	Tamauli.
Qava Taara	Faga Pri.
Sialofoaana Letoa	Faga Pri
Daisy. Lefaitele.	Faga Pri
Conrad. CKT.	SSTA
Taugatala. Sefo.	SSTA
Tautala Kasio.	SSTA
Maroni Hunt.	SSTA
Ralph. Pereira.	SSTA
Vesa. Kerisiano.	SSTA
Nedalyn Uili.	SSTA
Laina. Ilalio.	SSTA
Nimo. Ah Ching.	SSTA
Jacinta Aviata.	Faga Pri
Lavine Gisa.	Faga Pri
Edwinnar Ulimei	Tama uli.
Samantha Paia.	Tama uli
Victoria Levaia	SSTA
Ivan Soa	Tama uli
Merly Saolotoga.	Faga Pri
Isaiah Lotoleso	Faga Pri
Jaynee Fihau.	SSTA
Sister Fulumoa.	SSTA
Atamai Mulaai	Tamauli
Natille Taosaga	Tamauli

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct, it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area Sotetologa

Survey Date 29/10/22

Audit info

Audit Date 29/10/22 **Start Time** 11:15 am

# of Auditors 2 **End Time**

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1-10 seen along survey area
C = 10-100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
1	GC02	Glass	~~Glass~~ bottles	1	1	L	
2	PL02	Plastic	Bottles (water bottles)	27	2	H	
3	GL01	Glass	window Glass	11	1	L	
4							
5							
6							
7							
8							
9							
10							
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Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area Calelolay

Survey Date 29/10/22

Audit info

Audit Date 29/10/22 **Start Time**

# of Auditors 2 **End Time**

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, B = 1-10 seen along survey area
C = 10-100 seen along survey area, D = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01	Plastic	Bottle caps and lids	12	1g	L	
2	ME03	Metal	Aluminium drink cans	6	1g	H	
3	FP02	Foamed Plastic	Coffee cups and styrofoams	4	1g	H	
4							
5	PL07	Plastic	Plastic Bags	25	1g	H	
6							
7							
8							
9							
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JOURNEE MONDIALE DE NETTOYAGE DU LITTORAL 2022

EN PARTENARIAT AVEC LE PROJET *S'ENGAGER POUR UNE GESTION DURABLE DES DECHETS DANS LE PACIFIQUE (SWAP),* LE PROJET *PACIFIC OCEAN LITTER PROJECT (POLP),* LE PROJET KIOST *PACIFIC OCEAN ACIDIFICATION PROGRAMME*

ET

A VAKA HEKE

RAPPORT D'ACTIVITE

SEPTEMBRE 2022

1. INFORMATIONS RELATIVES A L'ASSOCIATION BENEFICAIRE DE LA SUBVENTION

Nom de l'organisation : A VAKA HEKE (AVH)

Responsable du projet (et coordonnées) : Stéphanie VIGIER (+681 824614 ; avaka.heke@gmail.com; stephanie.vigier@yahoo.fr)

Description et historique de l'organisation :

Association loi 1901 de sports de pagaie basée à Wallis (dans le Pacifique Sud), créée en mai 2021, affiliée à la Fédération Française de Canoë Kayak et Sports de Pagaie (FFCK), engagée envers la jeunesse et l'environnement. Ramasser des déchets, les trier et sensibiliser à la biodiversité, au recyclage, à la vie des déchets sont très importants pour mieux comprendre et respecter notre environnement et notre planète quel que soit notre âge.

2. INFORMATIONS RELATIVES A LA JOURNE DE NETTOYAGE

2.1. Informations générales relative à la journée de nettoyage

Description générale de l'activité :

Notre journée a commencé, sous la pluie, à 14h, et s'est terminée vers 17h30, ciel dégagé.

Ramassage des déchets sur le trisèque (100m x 20m), localisé entre plage et enrochement et une partie à terre, devant notre club A VAKA HEKE. La marée n'est pas descendue comme escomptée et nous avons dû déplacer légèrement notre zone de 5m plage vers 5m terre. Quelques déchets ont aussi été collectés hors zone trisèque. Ils n'ont pas été agrégés dans le système de LitterIntelligence mais ont été prise en compte dans ce rapport.

Mobilisation du Service de l'Environnement pour sensibiliser via des ateliers jeux aussi bien les plus jeunes que les plus âgés, à l'eau et à la biodiversité. Belle exposition, jeux sympas, informations plus qu'utiles, des questions ouvertes et de l'intéressement durant la journée.

Exposition « les bonnes pratiques », « la durée de vie des déchets et leurs pollutions ».

Mobilisation des agents du CET / DET pour la remise des déchets vers le CET de Wallis.

Nous avons proposé une collation avec des jus de fruits locaux frais, des entremets et gâteaux locaux, et nous utiliserons des matériaux durables, écologiques (noix de coco, branches de cocotiers et palmiers).

Localisation de l'activité de nettoyage :

Aka Aka, bord de mer, Association A VAKA HEKE

Horaires : 14h à 17h + collation/temps d'échange

Nombre de participants : 37 (Cf. feuille d'émargement en annexe 1), dont

- Femmes: 21
- Hommes: 16
- Enfants (Moins de 18 ans) : 24

Etat du site à l'arrivée sur les lieux (joindre une photo du site) : relativement propre 😟

Etat du site après nettoyage (joindre une photo du site) : super propre 😊

2.2. Informations relatives aux déchets collectés

Type de déchets	Quantité (kg)*	Quantité (volume, nombre, etc.)*
Plastique divers	273,30	313
Bâches plastiques	20	2
Bouteilles plastiques plus de 2l	0.024	3
Emballage barquettes pour alimentation	0.112	13
Morceaux d'objets en résine plastique	10,00	8
Corde	7.5	5
Briquet	0.05	3
Filets de pêche	102	6
Jouets enfant « fome »	0,10	1
Metal type aluminium cannettes etc	7.7	12
Ancres de bateau	23.6	2
Bloc Turbine métal	150	1
Filtre ou mégot de cigarette	0.06	14

*Utiliser la colonne la plus adaptée en fonction du type de déchet considéré

(Cf. fiche de relevé des déchets collectés en annexe 2).

Couverture photographique de l'évènement (Mettre quelques photos de l'événement et des déchets collectés) :R-Tech : Olivier TUIPOLOTAANE

Annexe 1 – Liste des participants / Feuille d'émargement

Journée Mondiale de nettoyage du Littoral 2022 – Rapport d'activité – Nom de l'association

37 personnes

Annexe 1 – Liste des participants / Feuille d'émargement

Nom	Prenom	Date de naissance	Photo Video ok	Signature
ANGLADA	SYLVIA	26.02.73	oui	
ANGLADA	AUDE	03.06.04	NON	Aude
Anglada	Luce	03.06.04	non	
Uhinima	Logo	16/08/2000	NON	
Kulikovi	NiKi	02/04/2008	Non	Kulikovi
Uhinima	KAVA	09/12/2012	Oui	
Vatinighi?	Sosefa-falelua?	14/04/2004	Non	
VATINI	FALAI	10/05/2006	Oui	
UHINIMA	FiLY	03/11/2008	oui	
TALBONE	NEUSSIA + 4 enfants	17/03/1993	oui	
PUZENAC	FRANCOIS	07/03/1984	oui	
PUZENAC ROBOUL	COUNA	13/07/2012	oui	Couna
Uhinima	Maheka	17/08/2010	Oui	
TO'AFATAVAO	Agnès	28/06/07	oui	Agnès
TO'AFATAVAO	Lauriane	01/12/09	oui	Lauriane
TO'AFATAVAO	Tagitoa	22/08/12	oui	
TO'AFATAVAO	Tlasisi	[illegible]/04/14	NON	
Borsoi	Héloïse	25/07/09	oui	Héloïse
Borsoi	Daphnée	26/10/11	oui	
Borsoi	Jean	20/10/82	oui	Aurélie Borsoi
Augy	Aurélie	02/11/83	oui	
Belliard	Charlotte	05/08/87	oui	
	Eléonore	19/06/2011	"	
	Octave	17/04/2014	"	
	Anaïs	04/02/2015	"	

6 | P

Nom	Prénom	Date de naissance	Photo Video OK	Signa
LEVASSEUR	BLANDINE	04/05/57	non	
Duchet	Jeanne	21/02/2009	NON	
Duchet	Samuel	17/02/2011	NoN	
LEQUIN	Stéphanie	23/11/1980	oui	
LEPARQ	Hélène	27/07/76	OK	
	Allonzo William - (voir fiche) -			
Folona	Leone	14/10/72	oui	
VIGIER	Stéphanie	13/11/75	oui	
	sophie	12.2.64	oui	

37 Service de l'environnement de Wallis et Futuna
- Karine
- Morgane
- Fanoi
- Kaua

Annexe 2 – Fiche de relevé des déchets collectés

VOIR PAGES A PART

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

THE DIVISION OF ENVIRONMENT AND CONSERVATION

MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT

MALAELA COASTAL AREA REPORT

SEPTEMBER 2022

1. INTRODCUTION

Malaela village is located on the eastern side of Upolu island at the district of Aleipata Itupa i Lalo. It is one of the coastal villages which was devastated by the 2009 tsunami. The Government through MNRE has endorsed the Lotopue-Malaela Mangrove Ecosystem Management Plan 2020 – 2025 in 2020. Strategic and management measures for waste management include:

a. Promote using bio-degradable products within the community;
b. Ban the dumping of waste within the mangrove ecosystem and its coastal areas;
c. Ban drainage of sewage and any other wastewater from households and any other establishments into the mangrove ecosystem.

2. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Division of Environment and Conservation – Ministry of Natural Resources and Environment

Project Manager (and contact details):

Seumaloisalafai Afele Faiilagai, ACEO-Division of Environment and Conservation, MNRE

Email: afele.faiilagi@mnre.gov.ws; Telephone: 67200 extension 208

Organisation Description and History:

The Ministry of Natural Resources and Environment with its vision of "Improved quality of life for all Samoans that is premised on sustainable development and management of Samoa's natural resources and environment"; leads the management of Samoa's environment and natural resources. The Ministry is working across a diverse range of issues under the core functions undertaken by the 15 Divisions. We are commissioned to work together in close partnerships with communities and stakeholders for the pursuit of sustainable development. Our mandatory roles include and an environment regulator, environmental administrator, environmental advisor and environment advocate.

The Division of Environment and Conservation (DEC), who will be coordinating national clean-ups, consists of six (5) sections which includes the Terrestrial Biodiversity Conservation, Marine Biodiversity Conservation, National Reserves, Chemical and Hazardous Waste Management and Solid Waste Management. The sustainable development and management of biodiversity including waste management is the core function of the this division.

3. ABOUT THE CLEAN-UP DAY

3.1. Overall information

Background:

Every year, on the third Saturday in September, the International Coastal Clean-up Day (ICCD) is celebrated around the globe. This is the single largest coastal clean-up day in the world and this year mark the 36th year of the ICCD in action.

In 2019, more than 940,000 volunteers from all around the world removed over 16 million pounds of trash along 24,500 mile of beaches and waterways. Over the last 36 years, more

than 50 million volunteers removed more than 280,000 tons of trash in 180 countries around the world.

Samoa through the AFD/SWAP project has joined this global effort in 2021 highlighting the commitment of the Government in the health of marine environment which provide numerous ecosystem services for its people. This year, AFD/SWAP and MNRE in collaboration with the Malaela community conducted and celebrated this year's ICCD 2022 at Malaela village. Roughly, its population is estimated at 208 with 30 households.

Description of the activity:

Clean-up:

The clean-up area was measured and marked with GPS and the volunteers were firstly briefed of the event and for safety measures. All litter along the area was collected and auditors were responsible with the sorting, weighing, count and recorded.

Audit data and analysis:

Generally, the number of materials collected may different from village to village considering the size, population and development activities.

The audit team adopted the audit methodology developed by Litter Intelligence for coastal and marine litter audit. However, the team were not able to install the application but manually recorded the data on the provided forms.

Location of the clean-up activity:

Survey:

Survey info:

- Survey Are: Malaela Coastal Area
- Survey Date: 01 October 2022

Audit info:

- Audit Date: 01 October 2022 Start Time: 8:45am
- # of Auditors: 6 End Time: 11:50am

Number of participants: (Registration form in Appendix 1), including

About 30 volunteers from the village MNRE and SPREP join in the celebration with half of that number are females. The age group ranges from 12 year old to 77 year old.

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

3.2. Audit data/Results

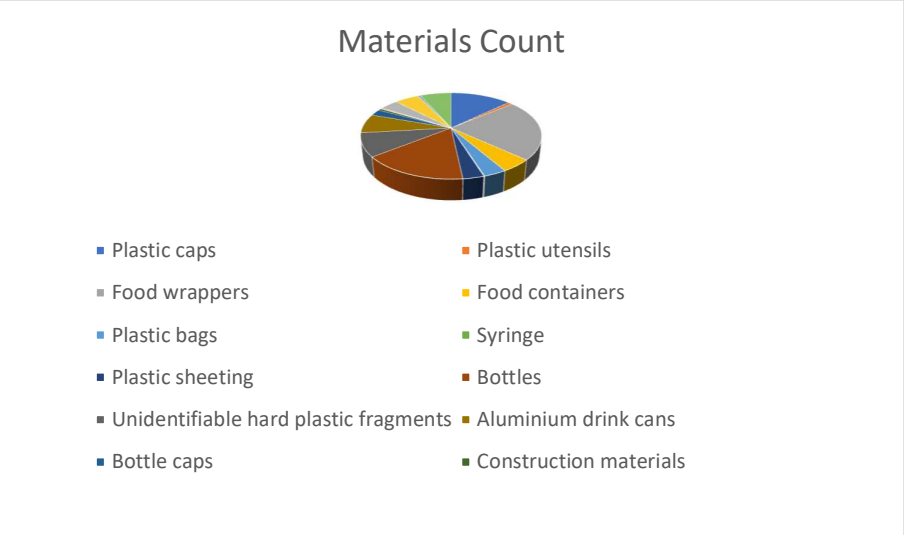
Data:

Category of waste	Materials	Quantity (kg)*	Quantity (volume, nomber, etc.)*
PLASTICS	Plastic caps (PLO1)	1.82	94
	Plastic utensils (PLO4)	0.01	7
	Food wrappers (PLO7.01)	2.95	166
	Food containers (PLO6)	1.1	35
	Plastic bags (PLO7)	1.85	25
	Syringe (PL12)	0.01	1
	Plastic sheeting (PL16)	2.15	23
	Bottles (PLO2)	10.25	117
	Unidentifiable hard plastic fragments (PL24.01)	2.65	64
METAL	Aluminium drink cans (ME03)	3.8	52
	Bottle caps (ME02)	0.9	17
	Construction materials (ME09)	2.55	5
	Metal vehicle parts (ME10.2)	1.8	1
RUBBER	Tyres (RB04)	1.5	2
	Rubber footwear (RB02)	3.35	28
FABRIC & TEXTILES	Clothing, towels and linen (CL01)	2.15	38
GLASS & CERAMIC	Bottles (GC02)	1.63	4
	Glass or ceramic fragments (GC07)	2	48
	TOTAL	**42,47 kg**	**727 items**

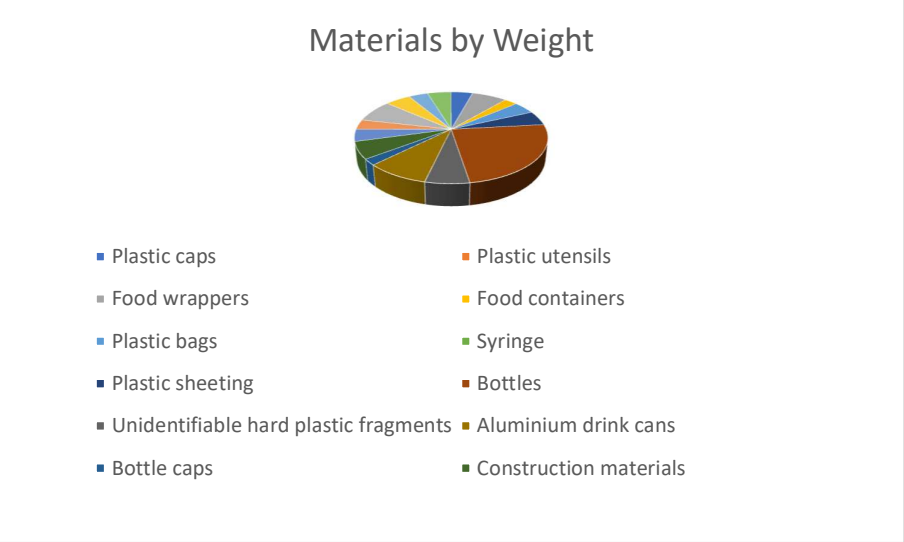
* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Analysis of materials by count:



Analysis of materials by weight:



From the above analyses 18 materials were collected in 5 main categories. Food wrappers dominate the count of 166 while plastic bottles dominate by weight of 10.25 kg. The food wrappers consist of 22.8% of the total material count while plastic bottle on the other hand have 16.09% of the total material weight.

As mentioned above, materials and quantities are different from community to community and developments existed. From observations, there are no major developments in the village except from tourist operation on Namua Island right opposite Malaela and the nearby wharf at the neighbouring village of Satitoa.

Conclusion and Recommendations:

The types and quantities of materials collected from Malaela coastal area is not that much compared to the similar exercise conducted last year. One of the contributing factor for the cleanliness of the village is their inclusion in the Aleipata Marine Protected Area system which

is already in place coupled with their Lotopue-Malaela Mangrove Ecosystem Management Plan 2020-2025.

It is important to recommend the Malaela village to activate their Mangrove Ecosystem Management Plan and their established committee to closely observe the strategic actions in the plan and the structured fines in place for any breaching and this will ensure a clean and healthy marine ecosystem in the village.

Photographic coverage of the event (Insert photos of the event and waste collected):


NWE-DEC
WASTE MANAGEMENT
SERVICES


Tauka


VINYL GLOVES
POWDER FREE
Dripping

Appendix 1 – Registration form

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Malaela Marine Protected Area (MMPA)

Aso Toonai 01 Oketopa 2022

SEQ.	Name	Age	Gender	Signature
1	Brenda. Vineta. Schwenke	41	Female	
2	Paipai. Orrski Desnir Brown	6	Male	
3	Salamasina. Jewell Debra Brown	12	Female	
4	Faauma Teresi. Kirita. Brown	13	Female	
5	Diana Young Yen	59	Female	
6	Fofogasali'i Amy Purcell	97	Female	
7	Kasen Purcell	3	female	
8	Lavanta Stower	18	Male	
9	Joseph stower.	16	Male.	
10	Joshua Tailela	9	Male	
11	Christina Tailela	12	Female	
12	Vaionaila Tailela	15	Female	
13	Soloai Purcell	13	Male	
14	Sophie schwenke	3	Female	
15	Diana Julia Tailela	16	Female	

AFD AGENCE FRANÇAISE DE DÉVELOPPEMENT

SPREP PROE

SWAP Sustainable Waste Actions in the Pacific

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Malaela Marine Protected Area (MMPA)

Aso Toonai 01 Oketopa 2022

SEQ	Name	Age	Gender	Signature
16	IULIA TAIZELA.	44	F	Taizela.
17	SUELA. SCHWENKE	54	F	
18	Breannasadine. Gellin Schwenke	3		
19	Meletiam Purcell	45	F	
20	Julie Pillet	40	F	
21	FAAFETAI S.	52	M	
22	Seumalo Afele		M	
23	Faatamaliamio Meredith	37	F	
24	Fuolaga Remita	34	M	F. Remita
25	Sakalia Tiatia	44	M	Sakalia
26	Filiki Utalesolo	51	M	Filiki
27	Matagi Toma	26	M	M Toma.
28	Setoa Apo	52	M	
29	Malae. S	42	M	
30	Lafeta. Purcell	25	M	L. Purcell.

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area

Survey Date

Audit info

Audit Date **Start Time**

# of Auditors **End Time**

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	☐
1	PL01	Plastic	Plastic caps	94	1.82kg		
2	PL04	Plastic	Plastic utensils	7	0.01kg		
3	PL07.01	Plastic	Food wrappers	166	2.95kg		
4	PL06	Plastic	Food containers	35	1.1kg		
5	PL07	Plastic	Plastic bags	25	1.85kg		
6	PL12	Plastic	Syringes	1	0.01kg		
7	PL16	Plastic	Plastic sheeting	23	2.15kg		
8	PL02	Plastic	Bottles	117	10.25kg		
9	PL24.01	Plastic	Unidentifiable hard plastic fragments	64	2.65kg		
10	ME03	Metal	Aluminium drink cans	52	3.8kg		
11	ME02	Metal	Bottle caps	17	0.9kg		
12	ME09	Metal	Construction materials	5	2.55kg		
13	ME10.2	Metal	Metal vehicle parts	1	1.8kg		
14	RB04	Rubber	Tyres	2	1.5kg		
15	RB02	Rubber	Rubber footwear	28	3.35kg		
16	CL01	Fabric & Textiles	Clothing, towels, and linen	38	2.15kg		
17	GC02	Glass & Ceramic	Bottles	4	1.63kg		
18	GC07	Glass & Ceramic	Glass or ceramic fragments	48	2kg		
19							
20							
21							
22							
23							
24							

25							
26							

Litter Intelligence.

Audit Data

OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	☐
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

THE DIVISION OF ENVIRONMENT AND CONSERVATION

MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT

PUIPA'A MANGROVE AREA REPORT

OCTOBER 2022

1. INTRODCUTION

Puipa'a village is located on the western side of Upolu island at the district of Faleata I Sisifo. The village rely heavily on marine resources for their daily livelihood and thus their intention of conserving their mangrove forest.

The village is looking forward to develop their Mangrove Ecosystem Management Plan and this activity is one of the essential components for the development of their plan.

2. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Division of Environment and Conservation – Ministry of Natural Resources and Environment

Project Manager (and contact details):

Seumaloisalafai Afele Faiilagi, ACEO-Division of Environment and Conservation, MNRE

Email: afele.faiilagi@mnre.gov.ws; Telephone: 67200 extension 208

Organisation Description and History:

The Ministry of Natural Resources and Environment with its vision of "Improved quality of life for all Samoans that is premised on sustainable development and management of Samoa's natural resources and environment"; leads the management of Samoa's environment and natural resources. The Ministry is working across a diverse range of issues under the core functions undertaken by the 15 Divisions. We are commissioned to work together in close partnerships with communities and stakeholders for the pursuit of sustainable development. Our mandatory roles include and an environment regulator, environmental administrator, environmental advisor and environment advocate.

The Division of Environment and Conservation (DEC), who will be coordinating national clean-ups, consists of six (5) sections which includes the Terrestrial Biodiversity Conservation, Marine Biodiversity Conservation, National Reserves, Chemical and Hazardous Waste Management and Solid Waste Management. The sustainable development and management of biodiversity including waste management is the core function of the this division.

3. ABOUT THE CLEAN-UP DAY

3.1. Overall information

Background:

Every year, on the third Saturday in September, the International Coastal Clean-up Day (ICCD) is celebrated around the globe. This is the single largest coastal clean-up day in the world and this year mark the 36th year of the ICCD in action.

In 2019, more than 940,000 volunteers from all around the world removed over 16 million pounds of trash along 24,500 mile of beaches and waterways. Over the last 36 years, more than 50 million volunteers removed more than 280,000 tons of trash in 180 countries around the world.

Samoa through the AFD/SWAP project has joined this global effort in 2021 highlighting the commitment of the Government in the health of marine environment which provide numerous ecosystem services for its people. This year, AFD/SWAP/POLP and MNRE in collaboration with the Puipa'a community conducted and celebrated this year's ICCD 2022 at Puipa'a village. Roughly, its population from the 2021 National Census is 1,413 in which 711 males and 702 females.

Description of the activity:

Clean-up:

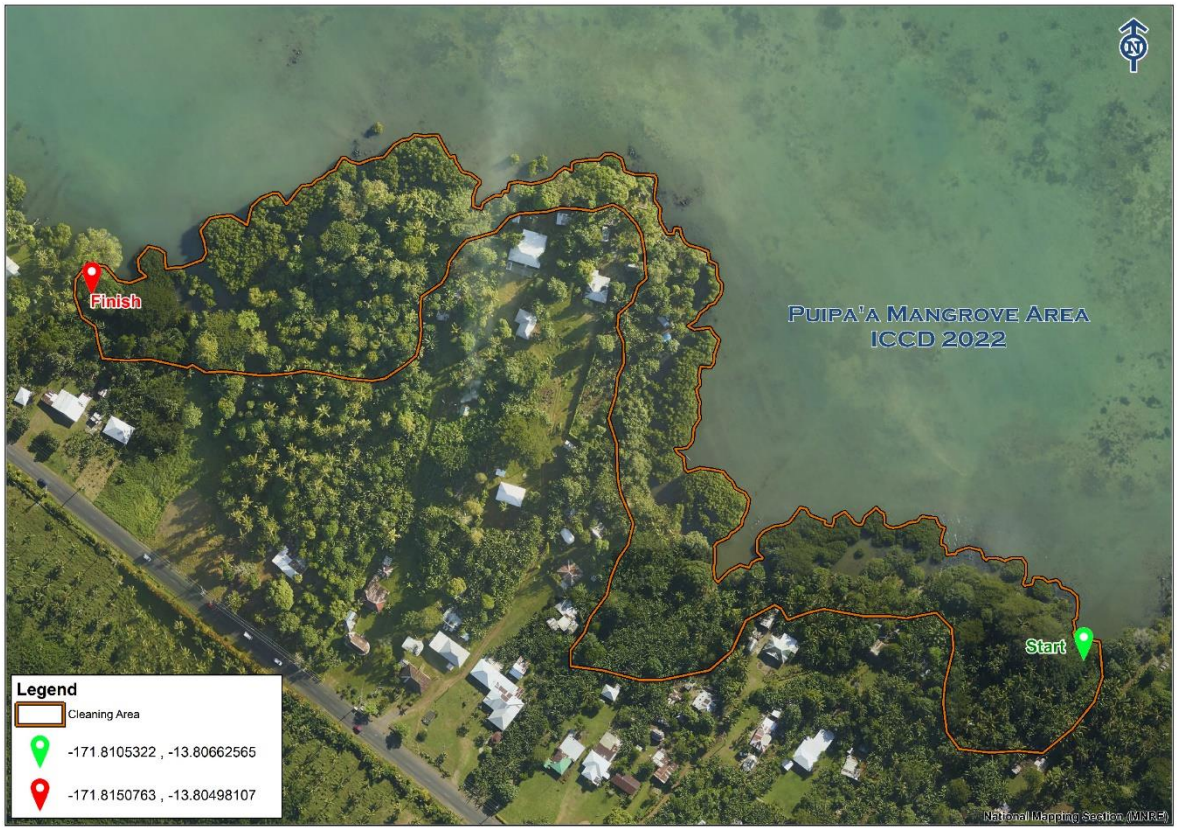
The clean-up area was measured and marked with GPS and the volunteers were firstly briefed of the event and for safety measures. All litter along the area was collected and auditors were responsible with the sorting, weighing, count and recorded.

Audit data and analysis:

Generally, the number of materials collected may different from village to village considering the size, population and development activities.

The audit team adopted the audit methodology developed by Litter Intelligence for coastal and marine litter audit. However, the team were not able to install the application but manually recorded the data on the provided forms.

Location of the clean-up activity:



Survey:

Survey info:

- Survey Area: Puipa'a Mangrove Area
- Survey Date: 15 October 2022

Audit info:

- Audit Date: 15 October 2022 Start Time: 10:45am
- # of Auditors: 8 End Time: 1:53pm

Number of participants: (Registration form in Appendix 1), including

More than 100 volunteers from the village, MNRE and SPREP joined in the celebration of the International Coastal Clean-up Day 2022.

3.2. Audit data/Results

Data:

Category of Waste	Materials	Quantity (kg)*	Quantity (volume, number, etc.)*
PLASTICS	Plastic product packaging (PL01)	14.6	258
	Plastic caps (PL01)	0.104	53
	Clear plastic bags (PL07)	11.35	265
	Food containers (PL06)	15.87	133
	Plastic bottles (PL02)	53.95	501
	Plastic drums (PL24.01)	1	2
	Fishing nets (PL20)	44.8	31
	PVC pipes (PL24.08)	3.8	4
	Plastic buoy (PL14)	2.1	1
	Cone (PL24.05)	3.9	1
	Plastic crate (PL24)	2.6	1
	Fishing lines (PL18)	0.52	2
	Other hard plastics (PL24.01)	7.2	8
METALS	Metal caps (ME03)	0.63	13
	Metals/Steel (ME09)	40.35	44
	Aluminium cans (ME03)	3.06	43
	Ferrous cans (ME04)	30.95	185
	Construction materials (ME09)	2.65	10
GLASS & CERAMICS	Glass and ceramic fragments (GC07)	32.5	108
	Glass bottles (GC02)	38.95	69
RUBBER	Tyres (RB04)	11.6	2
	Footwear (RB02)	27.27	69
FABRIC & TEXTILES	Carpets (CL05)	1.2	5
	Clothing (CL01)	1,589.8	717
	Appliances & electronics (OT03)	18.4	3
	Cistern (OT05)	2.5	1
	TOTAL	**1,961.65**	**2,530**

* Use the most appropriate column according to the type of waste (Waste collection form in Appendix 2).

Analysis of materials by count:

Analysis of materials by weight:

From the above analyses 26 materials were collected in 6 main categories. Clothing dominate the count of 717 and the same with weight of 1,589 kg. Clothing contributed to 81.1% of the total material count and consequently 28.50% of the total material weight.

As mentioned above, materials and quantities are different from community to community and developments existed. From observations, the village is closed to Vaitele industrial zone where most of the transboundary waste materials are suspected originally from.

Conclusion and Recommendations:

The types and quantities of materials collected from Puipa'a Mangrove Area was so overwhelming and almost 2 tonnes of wastes were collected. From observations, dumping of wastes in the mangroves was done for a long period of time which highly affected the quality of mangrove ecosystem and the services they provide for the village.

There were 26 types of materials from 6 waste categories the Fabric and Textiles category dominated both material count and weight. Plastic category contributed the highest types of materials with 13 materials respectively. In conclusion, there is a lot of work to be done at Puipa'a regarding the conservation of their mangroves and strategies to avoid dumping of waste into the mangroves.

The participation of the Plastic Tide Turners in delivering of messages through poems and a life story was really appreciated by the village and so as the messages delivered. That was a very effective platform for awareness during the event.

Therefore it is recommended:

- Develop a Mangrove Ecosystem Management Plan;
- Develop by-laws and appropriate penalties to prohibit dumping of wastes in the mangroves;
- The need for awareness and community outreach programs;
- Establish a village task force to police dumping of wastes in mangroves and regular inspections; and
- Fully utilize the Government's collection services.

Photographic coverage of the event (Insert photos of the event and waste collected):

A student from Falealili College delivering her poem.

Representative from the Plastic Tide Turners delivering her story.

Auditors getting themselves ready for action.

Auditors in action with the support from SPREP.

Auditors, Village youth and Plastic Tide Turners in action.

Villagers in action.

One of the auditors explaining the procedure to a village youth.

Delivering the message out "This should not have happened, mangroves and fishes needed as much as you needed them" with Plastic Tide Turners Coordinator.

Appendix 1 – Registration form

Appendix 2 – Waste collection form

Australian Government

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipaa Marine Protected Area (MMPA)

Aso Toonai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
1	Timuia ipaepaeTele Maa	55	M	[signature]
2	[illegible] K	33	F	[signature]
3	Komiti Tumama Sofara	45	F	[signature]
4	Faleava Selu Fasola'i	15	F	[signature]
5	Lasei Suaniu	55	f	[signature]
6	Paepae Iafaaga	62	F	[signature]
7	Lusi Faaofo	52	F	[signature]
8	Priscilla Maa	26	F	[signature]
9	[illegible]	54	M.	[signature]
10	Maanaima Elia	50	m.	[signature]
11	Diana Maanaima	21	F	[signature]
12	Iagaloa Aloimasea	61	m	[signature]
13	Pagamalie Evagelia	56.		[signature]
14	Repati Evagelia	18.		[signature]
15	Tanielu Muavao	45	m	[signature]

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SWAP Sustainable Waste Actions in the Pacific

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipaa Marine Protected Area (MMPA)

Aso Toonai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
16	Manusegi Gasologa	21	Male	Manusegi
17	Tauo Aaliva Gasi	67	F	KG
18	Sialaoa Elia	52	m.	x. [illegible]
19	Aineleta. Fruean	50	F	x Aneneeta
20	Arona Oge	35	m.	Arona
21	Ianeta. Aniseko	47	F	x Ianeta
22	Sese. Kipisi	50	F	Sese-K.
23	Suivaga Tapu	35	F	[illegible]
24	Timai. Pesa.	54.	M.	[illegible]
25	Siniva Timai Pesa	22	F	[illegible]
26	Mama Junior Mose	17	M	[illegible]
27	Pogisa. Petesi	14	F	Pogisa. Peteli.
28	Mataaaina. Tapu	13.	F	Mataaaina. Tapu.
29	Cecilia Sanele	14	F	Cecilia Sanele.
30	Rosanna Theodore	14	F	Rosanna Theodore.

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International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022
15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
31	Tagaloa Alalua Mose	57	MALE	[illegible]
32	Jediah Mae	5	MALE	Jedi
33	Lika Liufau	28	Male	[illegible]
34	Dylaroc Patu	11	M	Dylaroc.
35	Elia Maaraima	14	Male	[illegible]
36	Paepae Liufau	43	M	[illegible]
37	Ropati	17	male	Ropati
38	Salvation Maa	14	Male	Salvation
39	Jay	14	male	[illegible]
40	Benniah Lopu	14	Male	[illegible]
41	Seipepa. Misiuaita	17	Female	[illegible]
42	Esetanita. Ulu	19	Female	[illegible]
43	Taeao Kolio	17	Male	Taeao
44	Gatalya	10	F	GK.
45	Pago Leta	62	M	PLeta

International Coastal Cleanup

Australian Government

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipa'a Marine Protected Area (MMPA)

Aso Toanai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
46	~~Carding Molifua~~	~~14~~	M	Carding.
47	Pogorlape [illegible]	58	M	[illegible]
48	Faaofonu Sioa.	60	M.	[illegible]
49	SILE PAULO.	52.	M.	[illegible]
50	Pou lemo	36	M.	[illegible]
51	Faaofonu Mele Lawea	69	F.	F.Lawea.
52	Leatualo Hani	60	M.	[illegible]
53	Fetuao	16	M	[illegible]
54	Johnny	20	M	Johnny
55	Miracle kenesareta	22	F.	[illegible]
56	Donello. Moananu.	37	M	[illegible]
57	Matuaiala Patricia Frueen	49	F	[illegible]
58	Fili. Mapusaga.	47	F.	[illegible]
59	Toreka Elia	42	F.	[illegible]
60	Faafetai Kuresa	60	M.	[illegible]

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International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipa'a Marine Protected Area (MMPA)

Aso Toanai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
61	Atalina . Mose.	~~24-09-84~~ 38	F	
62	Keith. McCarthy	78	M.	
63	UTU OGEVAI	41		
64	Damien Afele	5	M	Damien.
65	Alicson Ala	7	M	Alicson.
66	Marvelle Mc Carthy	16	~~M~~	Marvelle.
67	Feagiga Mc Carthy	~~73~~	F	
68	Sulu	36	M	
69	Tesimale Mareko	26	M	T.M.
70	Kylamarie. Rodriquez	20	F	Kylamarie R.
71	Nathan. Pomare	23	M	
72	Koneferenisi Tamalasi	19	M	
73	Sula Tagaloa	34	F	
74	Sadlotoga Samuelu	38	F	
75	Ogevai Utu		M	

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipa'a Marine Protected Area (MMPA)

Aso Toanai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
76	Faatasige Osipa	41	m	[signature]
77	Joyce Teo	20	F	[signature]
78	Jocelynette. Leilua	20	F	[signature]
79	Princeva'a Lalovi	21	M	[signature]
80	Setoa Ah Chong	53	M	[signature]
81	Lelani Schreiber	23	F	[signature]
82	Janeta L Mose	54	F	[signature]
83	Etta Taualapini	25	F	[signature]
84	Ulu Elia'	74	m	[signature]
85	Ruta Puipui	12	F	[signature]
86	Aualiitia Sofe	54	m	[signature]
87	~~Fata~~ Faalanu. Elia	57	F	[signature]
88	Sofia, Taituave .	51	F	[signature]
89	Fatu Agamalie	36	m	[signature]
90	Falaimo Taua	14	M	[signature]

International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Puipa'a Marine Protected Area (MMPA)

Aso Toanai 15 Oketopa 2022

SEQ	Name	Age	Gender	Signature
91	Fiatumalii Manu	65	F	Fiatamalii.Manu.
92	Lagei Vainuuoso	38	F	L. Vainuuoso
93	Alana Aitu	19	M	Alana
94	Polomea Toomalatai	47	M	[illegible]
95	Ulu Shiny Ete.	2	m	[illegible]
96	Sanele Seiuliali	23	m	[illegible]
97	Suesue Pati Loan	38	F	[illegible]
98	Nuuolelelga Pati Loan	13	M	N.P.L.
99	Kellyanne	5	F	[illegible]
100	Muaiu Lamatoe.	43	M.	M. Lamatoe.
101	Nolan Fualaga	17	M	[illegible]
102	Pasitale Toomalatai	17	M	Toomalatai
103	Matuaiala Faaolaina Kini	59	M	[illegible]
104	Leao Pati Paepae	40	M	[illegible]
105	Muaau Malaga Tinie	70	M	[illegible]

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International Coastal Clean-up Day 2022
Aso faavaomalo mo le faamamaina o le Gataifale 2022

Malaela Marine Protected Area (MMPA)

Aso Toanai 01 Oketopa 2022

SEQ	Name	Age	Gender	Signature
106	LINO NAPO	6	F	L
107	Fantasia Leuo	10	F	Fantasia
108	Kalvin Peter	15	M	Kalvin
109	Logia Tautalafua	19	M	Logia
110	PUNILOA OPETA	62	F	Puniloa O.
111	AFAFAGALOGO BASE	71	M	Afafagalogo Base
112	Lanuola Utu	14	F	Lanuola
113	Julie Piller	40	F	
114	Vahi Ani	13	M	Vahi
115	Site Toomalatai	16	M	Site
116	Jenifer	14	F	
117	Puniloa Alofa	5½	F	
118	Moviena			
119	Pulou Tapuai	64	F	
120	Iuata Tili	45	M	Tili

121.	Renee Kamu	40	F	[signature]
122	Tinae Kamu	11	F	TK
123	Zeriah Kamu	9	F	ZK
124	Ioselani Kamu	7	M	9K
125	Talalelei Kamu	4	M	TK
126	Muaaitasi Kilifi	46	M	Kilifi
127	Alatutui Khosa	29	M	[signature]
128	Meia Sua	29	F	WS
129	Aliason Ala	8	M	AE
130	Opeta Ala	6	M	AE
131	Mueao Jr Ala	2	M	AE
132	Penelope ~~[illegible]~~ Faniani Seuluvali	40	F	[signature]
133	Leiping Sam-Ling	27	F	[signature]
134	Aliimuamua Setoa Apo		M	
135	Fualaga Remita		M	Remita
136	Darren Bartley		M	Darren
137	Faatamaluamio Meredith	37	F	[signature]
138	Fiwareti		F	
139	Falaniko. Tino		M	F Tino
140	Matagi. Toma		~~F~~ M	Matagi
141	Maeli.		~~F~~ M	Maeli
142	Michael Tam		M	
143	Seumaloisalafai Apele Faitagi		M	
144	[illegible]		M	

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area

Survey Date

Audit info

Audit Date **Start Time**

# of Auditors **End Time**

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	
1	PL01	Plastic	Plastic product packaging	258	14.6		
2	PL01	Plastic	Plastic caps	53	0.104		
3	PL07	Plastic	Clear plastic bags	265	11.35		
4	PL06	Plastic	Food containers	133	15.87		
5	PL02	Plastic	Plastic bottles	501	53.95		
6	PL24.01	Plastic	Plastic drums	2	1		
7	PL20	Plastic	Fishing nets	31	44.8		
8	PL24.08	Plastic	PVC pipes	4	3.8		
9	PL14	Plastic	Plastic buoy	1	2.1		
10	PL24.05	Plastic	Cone	1	3.9		
11	PL24	Plastic	Plastic crate	1	2.6		
12	PL18	Plastic	Fishing lines	2	0.52		
13	PL24.01	Plastic	Other hard plastics	8	7.2		
14	ME03	Metal	Metal caps	13	0.63		
15	ME09	Metal	Metals/Steel	44	40.35		
16	ME03	Metal	Aluminium cans	43	3.06		
17	ME04	Metal	Ferrous cans	185	30.95		
18	ME09	Metal	Construction materials	10	2.65		
19	GC07	Glass & Ceramic	Glass and ceramic fragments	108	32.5		
20	GC02	Glass & Ceramic	Glass bottles	69	38.95		
21	RB04	Rubber	Tyres	2	11.6		
22	RB02	Rubber	Footwear	70	27.27		
23	CL05	Fabrics & Textiles	Carpets	5	1.2		
24	CL01	Fabrics & Textiles	Clothing	717	1,589.8		

25	OT03	Others	Appliances & electronics	3	18.4		
26	OT05	Others	Cistern	1	2.5		

Litter Intelligence.

Audit Data

OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
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International Coastal Clean-up Day (ICCD), 2022

Led by *Positive Change for Marine Life*, In collaboration with the *Committing to Sustainable Waste Actions in the Pacific Project (SWAPP)*, the *Pacific Ocean Litter Project (POLP)*, and the *KIOST Pacific Ocean Acidification Programme (POAP).*

Gizo Island, Solomon Islands - 25 October 2022.

Table of Contents

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation: Positive Change for Marine Life

Contact: Zelda Hilly z.hilly@pcfml.org.au

1.1. Organisation Description and History

Positive Change for Marine Life (PCFML) is a non-governmental organisation (NGO) formed in 2012 with current programs in Australia, India and the Solomon Islands. Our mission is to develop innovative, sustainable, and replicable initiatives that benefit the ocean and the people who rely on it for survival. PCFML's programs focus on waste management & marine pollution; coastal remediation; and fisheries management.

PCFML was recently established in Solomon Islands as a charitable organisation under the Charitable Trust Acts (CTA). Since 2021, Positive Change for Marine Life's Solomon Islands program has developed a unique, community-led door-to-door Waste Collection Service (WCS), advocated and worked towards on-ground strategies for a plastic free Gizo market and broader plastic-free Gizo, and promoted the 3 R's through a range of educational and awareness classes, in partnership with Plastic Wise Gizo (PWG).

2. ABOUT THE CLEAN-UP DAY(S)

2.1. Underwater Dive Clean Up - 17th – 20th September, 2022

On the 17th and the 18th of September 2022, a team comprising of members of Positive Change for Marine Life (PCFML), Dive Gizo, Western Solomons Surfers Association (WSSA) and Western Province Network for Sustainable Environment (WPNSE), which includes member representatives from the various environmental NGOs located on Gizo Island, conducted two underwater dive clean-up activities over two days within the Gizo Harbour to mark International Coastal Clean-Up Day (ICCD)

The first dive clean-up was conducted on the 17th of September from PT109 – KHY area. The second dive clean-up was conducted from the KHY-Gizo Market coastal front area. (See **Figure 7 & 8**)

A total of 18 people from partner organisations participated in the dive clean-up, including some members of the public. The Gizo Town Council (GTC) was also engaged to support the

clean-up through assisting with the transportation of rubbish collected to the Gizo waste facility.

An estimated 63,000 items were collected. Aluminium cans made up the majority of the rubbish found in the dive clean-up, followed by glass bottles, plastic bottles and mixed, unidentified hard and soft plastics (shopping bags, wrappers).

2.2. Beach Survey - 19th October, 2022

TC beach is located south-west of Gizo Island between Niumada and Malakerava. It is made up of primarily white sand with some areas of granite pebbles and rocks. Famous amongst Gizo locals, the beach is frequented by residents for recreational purposes. In 2007, an earthquake and subsequent Tsunami dramatically changed the features of the beach. The high-water mark in 2007 is now inland and covered in vegetation. The team measured out the survey area of 100m by 10m.

Survey Coordinates

Start Point: Lat: -8.1075821 Long: 156.8292913.

End Point: Lat: -8.1071525 Long: 156.8284911.

A team of 13 people participated in the beach survey at TC Beach, including staff and volunteers of PCFML, members of WPNSE and WSSA and students. The team set out at 7.30am to Niumada community and walked about 5 minutes to the TC beach location to begin the survey. Several houses with pig pens could be seen about 15-20 meters inland of the beach survey area.

The survey began at 8am and finished at 10am. The waste audit occurred between 10.30am to 12:00pm at the beach location. Due to high wind conditions the team returned to the PCFML station to complete the audit. A total of 278 items were collected, weighing 7.7kg in total.

Plastic items made up most of the rubbish collected, weighing about 2.5kg, followed by fabric & textiles (1.7kg), other (1.123kg), metal (1.028kg), glass/ceramics (986g), rubber (293g), foamed plastics (36g), paper and cardboard (27g).

See the link for summary data (https://litterintelligence.org/data/survey?id=1871).

2.3. Awareness raising at Gizo Community High School – 26 October, 2022

The team initially planned to conduct a public awareness event at one of Gizo's busy city sites. Due to logistical constraints, a school awareness session was organised instead. Staff of PCFML conducted a marine litter awareness event at the local Gizo Community High School on October 26th. The awareness event targeted senior students in form 6 Arts. Materials from SPREP and Litter intelligence were used.

Below is an outline of the school awareness program.

POSITIVE CHANGE FOR MARINE LIFE SCHOOL AWARENESS PROGRAM OUTLINE.

Topic: Marine Litter and Waste Awareness.

- Brief Organisational (PCFML) and International Coastal Clean-Up Day background (5min) - (Zelda Hilly, PCFML).
- ICE Breaker / demonstration about trash free seas (5min) – (Sumana Deni, PCFML).
- Open Questions for students about trash free sea (10min) – (Sumana & Zelda, PCFML).
- Open questions:
    - What is litter?
    - What is plastic litter?
    - Where does plastic litter end up?
    - Where does the plastic litter come from?
    - Who creates litter?
    - What types of plastic litter is there in the ocean?
    - What are the economic impacts of marine litter?
- Awareness talk (10 min) – (Sumana & Zelda, PCFML).
    - Importance of our coastline.
    - Marine ecosystem benefits for both human and marine species.
    - Action plan to help protect our marine species.
    - Motivation areas for students to take a lead for the things they can do for a trash free sea.
    - Effective ways to do away with plastics use.
- Students' involvement (15min).
    - Task (3 groups).
        - Part A: Students should come up with points on how to target our marine debris. (10 min).
            - Group 1. What are some ways we can reduce rubbish ending up in our coastline?
            - Group 2. What is thrown on the ground and can end up in our waterways? List and demonstrate ways on how to keep our land clean and ocean clean.

- Group 3. What is the importance of a clean-up event? How will you help others to reduce the amount of debris in our coastline?

  - Part B: Presentation (5min).

- Questions & comments (10 min).
- Recommendation / summary (5min) – (Zelda Hilly, PCFML).

***Figure 1**. PCFML staff talking to Form 6 students of Gizo Community High School.*

***Figure 2**. Students presenting their group activity.*

***Figure 3.** Students engaged in group activity.*

***Figure 4.** Form 6 Arts students group photo with PCFML.*

3. Engagement (images, site maps and social media) from the clean-up days

3.1. Social media posts

Figure 5. *Social media post of dive clean-up.*

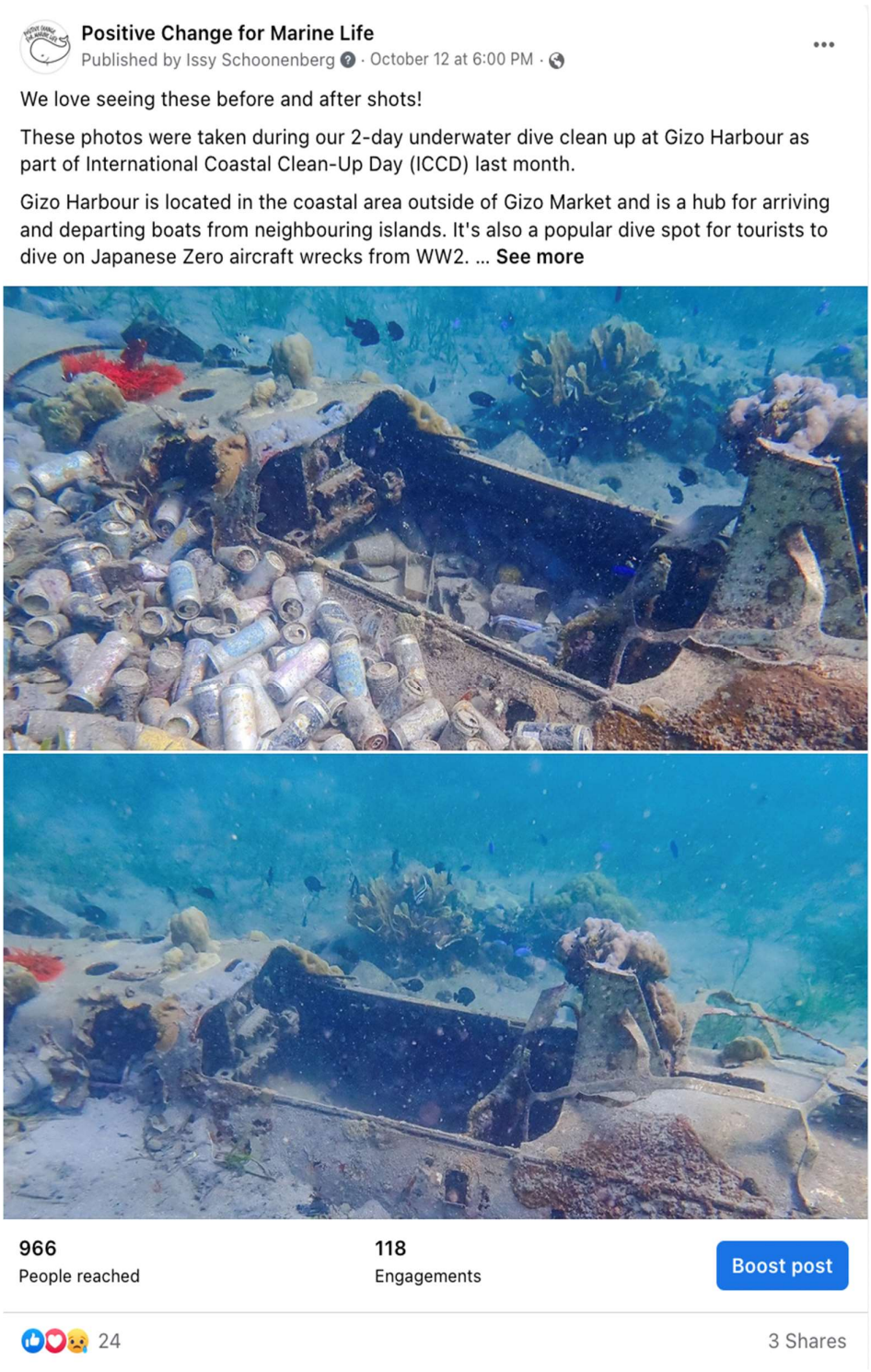

***Figure 6**. Social media post of dive clean-up.*

3.2. Clean-up site locations

Underwater Dive Clean up – Gizo Harbour, and Beach Survey location.

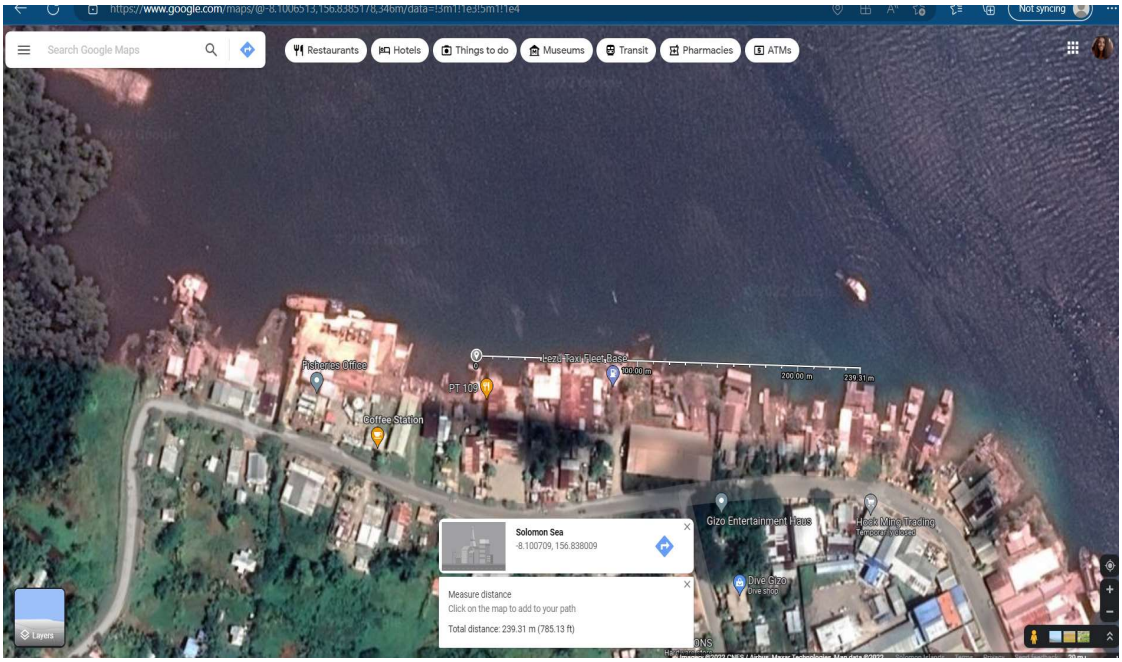

***Figure 7**. Dive 1. PT109 – KHY area.*

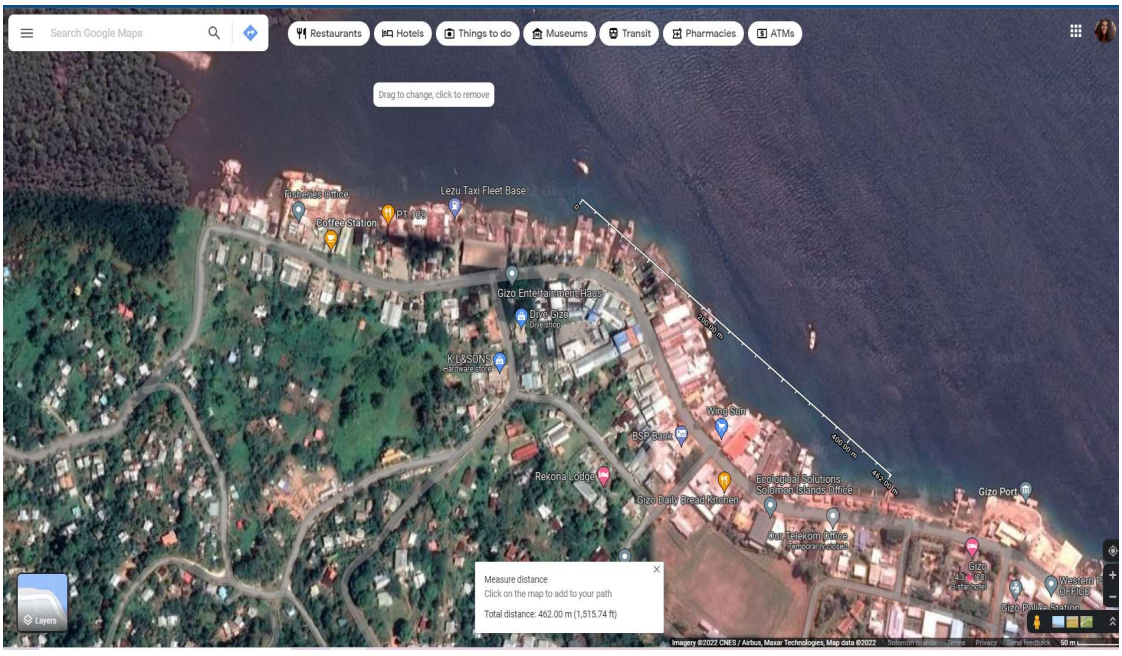

***Figure 8.** Dive 2. KHY Area to Gizo Market coastal front.*

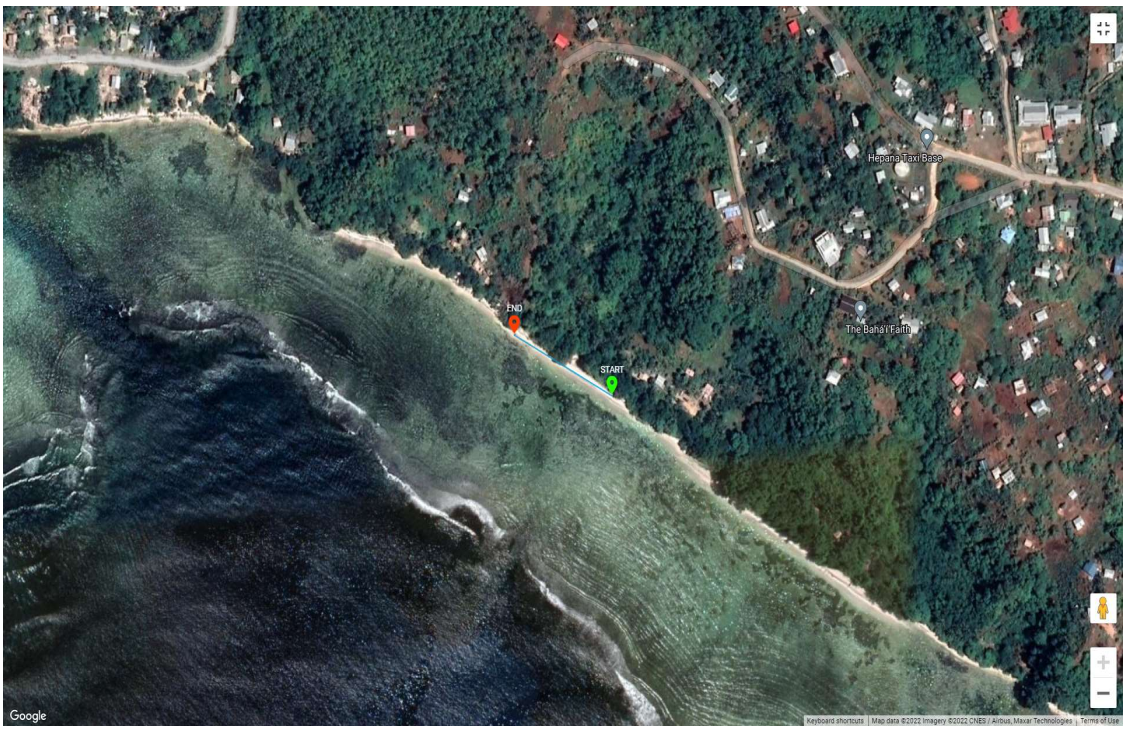

***Figure 9**. Beach Survey – TC Beach, Gizo.*

Timetable:

Activity	Date	Start time	Finish time
Underwater dive clean-up.	Saturday 17th and Sunday 18th, 2022.	8 am	5pm
Segregation and audit of underwater dive rubbish.	Monday 19th September, 2022.	9am	5pm
Clearance of trash from underwater clean-up.	Tuesday 20th September, 2022.	9am	12pm
Clearance of trash from underwater clean up.	Wednesday 21st September, 2022.	8 am	9am
Beach survey.	Wednesday 19th October, 2022.	8am	12pm

Beach waste audit.	Wednesday 19th October, 2022.	3pm	5pm
School awareness program.	26th October, 2022.	9 am	10 am

Number of participants: (*Registration form in Appendix 1*), included:

Dive Clean Up

Women: 3.

Men: 27.

Children (under 18 years old): Nil.

Beach Survey

Women: 5.

Men: 8.

Children (under 18 years old): Nil.

School Awareness Class

Women: 1 (teacher).

Men: Nil.

Children (under 18 years old): 37.

3.3. Survey data on waste type (by category)

Table 1. Underwater dive clean up data.

Type of waste	Number of bags (30 L)	Estimated Quantity (volume, number, etc.)*
Aluminum cans (Softdrinks and alcohol).	200	40000
Glass bottles.	50	10000
Fabrics and textiles.	1	200
Mix tins.	1	200
Sanitary items.	1	200
Sacks.	1	200
Rubber.		15
Plastic umbrellas.		9
Mineral bottle water-plastic.	10	2000
Batteries.		1
Plastic containers.		11
OBM parts.		5
Seawash.		11
Butane gas bottles.	1	
Fiber glass material.		3
Metal.		17
G-pipes.		11
Hard and soft plastics mixed.	52	10400

Table 2. Beach Survey data.

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Rubber footwear.	0.290	3
Clothes, towels, linen.	1.338	4
Unidentified cloth fragment (specify).	0.370	12
Polystyrene cups or food packs.	0.060	23
Polystyrene insulation or packaging.	0.012	11
Other foamed plastic.	0.0013	2
Glass or ceramic fragments.	0.990	249
Food wrappers.	0.077	48
Plastic bags.	0.543	13
Lollipop sticks.	0.002	3
Pen and stationary.	0.002	2
Unidentifiable hard plastic fragments.	0.866	5
Straws.	0.002	2
Resin pellets.	0.0002	1
Rope.	0.050	3
Sanitary items.	0.410	5
Carpet & furnishing.	0.354	4
Cardboard boxes.	0.004	1
Other paper & cardboard.	0.023	3
Unidentified metal fragment.	0.026	1
Batteries (household).	1.038	2
Appliances and electrical.	0.080	2
Bottles <=2L.	0.670	28
Food container.	0.006	3
Bottle neck rings.	0.001	1
Toys, sports and recreation (rubber).	0.003	1
Other cans & containers (<=4L).	0.832	8
Aluminium drinks can.	0.170	45
Bottle caps, lids & pull tabs.	0.001	3
Paraffin or wax.	0.0003	1
Plastic utensils.	0.221	7
Unidentified foamed plastic fragment.	0.005	1
Unidentified cloth fragment.	0.003	1
Hangers & retail packaging.	0.006	3
Rope line or strings (natural).	0.001	2
Personal care items.	0.004	1

* Use the most appropriate column according to the type of waste

(**Our waste collection forms are available in Appendix 2)

3.4. Photographic Coverage of the Events

- a full collection of photographs for media use can be found here.

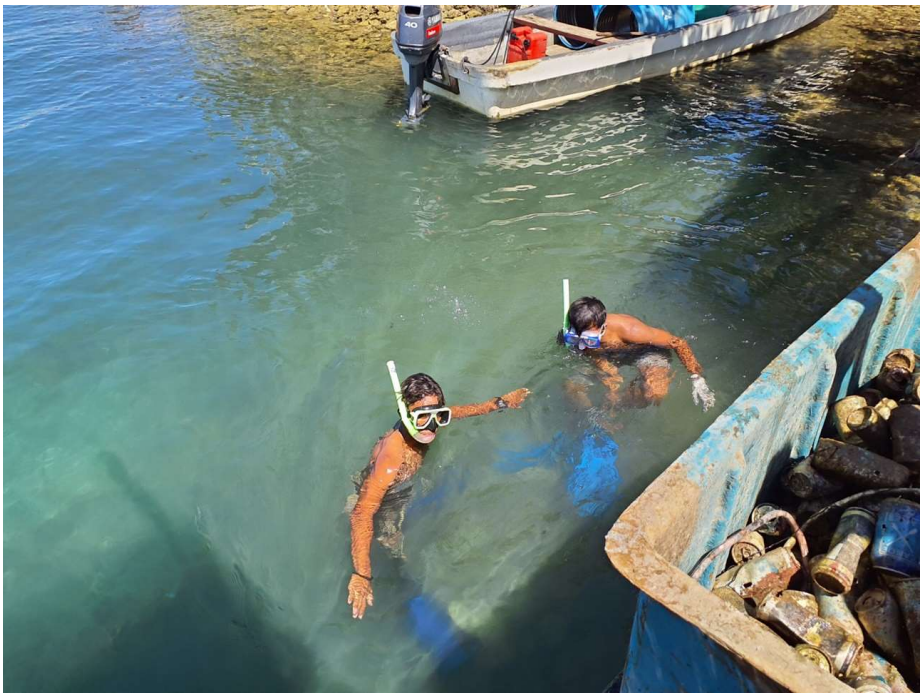

Figure 12. *Divers collecting marine litter near PT109.*

Figure 13. *Members of WPNSE staff of ESSI and WWF pulling in marine litter from the dive.*

Figure 14. *Team member of WSSA emptying bag load collected from Dive.*

Figure 15. *Heaping trash collected from the dive clean up.*

Figure 16. *Sorting through waste collected from the dive.*

Figure 17. *Waste sorted from the dive.*

Figure 18. *Participants of Dive 1.*

Figure 19. *Loading rubbish to Gizo Town Council tipper truck.*

Figure 20. *Beach survey team safety briefing.*

Figure 21. *Audit of beach waste 1.*

Figure 22. *Audit of beach waste 2.*

Figure 23*. The beach survey team.*

Figure 24. *Rubbish found on TC beach.*

4. ACKNOWLEDGEMENT

Positive Change for Marine Life would like to thank SPREP and the other sponsors of this program for the opportunity to represent the Solomon Islands in the ICCD. We would also like to thank our key partners in this campaign including: members of the Western Province Network for Sustainable Environment (WPNSE); Ecological Solutions Solomon Islands (ESSI); World Wide Fund (WWF); Western Solomons Surfers Association (WSSA), and; Danny and Kerry Kennedy from Dive Gizo.

Appendix 1 – Registration form

2022 International Coastal Clean-up Day - Under Water Dive

Participants

Saturday 17 September

Name		Phone	Organisation
Nascia Pae	M	7634989	WSSA
Jeremy Baea	M	7690046	WSSA
Andrew Joe	M	7474296	WSSA
Sammy Kazi	M	71627603	WSSA
Junior Joe	M	7744475	WSSA
Tautau	M		WSSA
PJ Pita	M		WSSA
Ronald Ray	M	7564550	WSSA
Erenga	M		WSSA
Junior White	M		WSSA
May Solo	F		Gizo Resident
Kerrie Kennedy	F	7476932	Dive Gizo
Danny Kennedy	M	7466452	Dive Gizo
John Vao	M		Dive Gizo
John Rongae	M		Dive Gizo
Samae Livah	M		Dive Gizo
Nathaniel Nawo	M		Dive Gizo
Bradley Taino	M		Dive Gizo
			18 Participants

Sunday 18 September

Jeremy Baea	M	7690046	WSSA
Rons Kazi	M	7564550	WSSA
Sammy Kazi	M	71627603	WSSA
Nas Pae	M		WSSA
Sumana Deni	F	7722642	PCFMI
Piokera Holland	M	7720726	WWF
Ikua Gumo T	M	7897989	ESSI
Limaeus A	M	7806375	ESSI
Trinny Taake	M	7254463	Volunteer
Moses Zugabatu	M	7172085	Volunteer
Milston Tigulu	M	7272783	Volunteer
Dayton Apheuse	M	7664741	Volunteer
Timme Lim	M	7195838	Volunteer
Kerrie Kennedy	F	7476932	Dive Gizo
Danny Kennedy	M	7466452	Dive Gizo

John Vao	M	Dive Gizo
Craig Warren	M	Dive Gizo
Samae Livah	M	Dive Gizo
Nathaniel Nawo	M	Dive Gizo
		19 Participants

Beach Survey Participants

Name	**Gender**	**Organisation /Contact**
Jeremy Baea	M	WSSA -7690046
Junior Joe	M	WSSA- 7744475
Junior White	M	WSSA-7690046
Ravia Jocui	M	WSSA-7690046
Jeremy Peter	M	Student volunteer
Monalyn Talipeo	F	PCFML-7223979
Sherolae Caleb	F	Student volunteer-7422757
Kossana Milton	F	PCFML-7777195
Obrent Oti	M	PCFML-7870471
Zelda Hilly	F	PCFML- 7971369
Sumana Deni	F	PCFML-7722642
Ikuo Tingulu	M	ESSI/ESSF- 7897989
Piokera Holland	M	WWF-7720726

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area TC beach, Gizo, Western Province Solomon Islands

Survey Date 19 October 2022

Audit info

Audit Date 19 Oct 22 **Start Time** 3 pm

# of Auditors 3 **End Time** 5pm

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1-10 seen along survey area
C = 10-100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
1	RBO2	Rubber	Rubber foot wear	3	290	H	✓
2	CLO1	Fabric / Textiles	Clothes, towels and linen	4	1338.3	L	✓
3	CLO6 . O1	Fabric / Textiles	Unidentified cloth fragment (specify)	12	36.9	L	✓
4	FPO2	Foamed Plastic	Polystyrene cups or food packs	23	5.6	H	✓
5	FPO4	Foamed Plastic	Polystyrene insulation or packaging	11	12.2	H	✓
6	FPO5	Foamed Plastic	Other foamed plastic	2	1.3	H	✓
7	GCO7	Glass / Ceramic	Glass or ceramic fragments	249	986.2	H	✓
8	PLO7. 01	Plastic	Food wrappers	48	76.6	H	✓
9	PLO7	Plastic	Plastic bags	13	543.2	L	✓
10	PL24.04	Plastic	Lollipop sticks	3	2.3	H	✓
11	PL24.02	Plastic	Pen and stationary	2	19	H	✓
12	PL24.01	Plastic	Unidentifiable hard plastic fragments	5	865.5	H	✓
13	PL04.01	Plastic	Straws	2	2.0	H	✓
14	PL23	Plastic	Resin Pellets	1	0.2	H	✓
15	PL19	Plastic	Rope	3	46	L	✓
16	OT02	Others	Sanitary items	5	409.5	L	✓
17	CLO5	Fibric / Textile	Carpet & furnishing	4	354.2	L	✓
18	PCO2	Paper cardboard	Cardboard boxes	1	3.5	L	✓
19	PCO5	Paper Cardboard	Other paper & cardboard	3	22.9	L	✓
20	MEO8	Metals	Unidentified metal fragment	1	26.1	L	✓
21	OTO4	Others	Batteries (household)	2	1038.4	H	✓
22	OTO3	Others	Appliances and electrical	2	80.2	H	✓
23	PLO2	Plastics	Bottles <=2l	28	670.1	H	✓
24	PLO6	Plastics	Food container	3	5.8	H	✓
25	PLO1.01	Plastics	Bottle neck rings	1	1.4	H	✓
26	PBO1	Rubber	Toys, sports and recreation (rubber)	1	2.9	H	✓

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	MEO4	Metals	Other cans & containers (<=4L)	8	831.6	H	✓
28	MEO3	Metals	Aluminum drinks can	45	169	H	✓
29	MEO2	Metal	Bottle caps, lids & pull tabs	3	0.9	H	✓
30	OTO1	Others	Paraffin or wax	1	0.3	H	✓
31	PL16	Plastics	Plastic utensils	7	221.3	H	✓
32	FPO5.01	Foamed Plastics	Unidentified foamed plastic fragment	1	4.7	H	✓
33	CLO6.01	Fabric / Textile	Unidentified cloth fragment	1	3.1	L	✓
34	PL24.11	Plastics	Hangers & retail packaging	3	5.9	H	✓
35	CLO4	Fabric / Textile	Rope line or strings (natural)	2	0.9	H	✓
36	OTO2.05	Other	Personal care items	1	3.5	H	✓
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Litter Intelligence.
Data. Insights. Action.

Survey Details

SURVEY AREA & LARGE ITEM INFORMATION

OFFICIAL VERSION 1.4

Survey Details

Survey date	19th October 2022	
Monitoring group	Postive Change for Marine Life	Name of organisation
Lead citizen scientist	Zelda Hilly	Full name
Email address	z.hilly@pcfml.org.au	
Phone number	+677 7971369	
Survey area	TC beach	
Site risk assessment complete?	☐ Yes	Required
Health and safety briefing?	☐ Yes	Required
Beach surface	Mud, Sand, Gravel/Pebble, Cobbles, Rock Rubble, Boulder, Bedrock, Shell, Artificial, Mixed Substrate, Unknown	Circle one
Start Point location	Latitude: -8.1075821 Longitude: 156.8292913	
Start Point description	Pig pen near beach and a house towards bush area	Describe landmarks or other physical features to help identify survey Start Point

Remember: Take 3 photos at start point (1) Out to sea (2) To back of beach (3) Along Survey Area

End Point location	Latitude: -8.1071525 Longitude: 156.8284911	
End Point description	Near Rock landform	Describe landmarks or other physical features to help identify survey End Point
Survey Area size	1000msq	
Above Start Point	5 metres	10m (or less, depending on beach conditions)
Below Start Point	5 metres	10m (or less, depending on beach conditions)
Total length	100 metres	Standard is 100m. Decrease for highly littered sites, or increase if fewer than 10 items found
Visual Assessment Grade	A B C D	What's the visual assessment of the amount of litter on the overall beach? Select one

Add large item

Category (if possible use standard codes)	Status (floating, sunken, stranded, buried)	Latitude (nnn.nnnnn NS)	Longitude (nnn.nnnnn EW)	Description

Survey info

Start time: 8AM	End time: 12:30pm	Number of collectors: 13
Add comments below.	Record any relevant or unusual observations — weather, land events, flotsam, jetsam, etc. Note any items categorised as 'other', make suggestions for keywords and categories. Any other comments.	

Clear day most part of the early morning. Towards mid morning wind picked up

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP)*, THE *PACIFIC OCEAN LITTER PROJECT (POLP)*, *THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

PLASTICWISE GIZO

OCTOBER 2022

Contents

Acknowledgement

1. Plasticwise Gizo would like to acknowledge all funding support from all our partners who supports the ICCD 2022.
2. Plasticwise Gizo would also like to acknowledge Sprep for their continuous support to our programmes. This programme has enabled us to gain more knowledge and understanding to build the capacity for our association to learn and aspire our champion towards Waste Management in our country.

INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Plasticwise Gizo

Project Manager (and contact details): Rendy Solomon

Email: solomonrendy@gmail.co

Phone: +00677 7466256/ +677 60224

Organisation Description and History:

Plasticwise Gizo is a non-profit organization dedicated to promoting environmental friendly policies, particularly the 3Rs (Reduce, Reuse, and Recycling).Plasticwise Gizo was established in May 2017 as a voluntary association for solid waste management. The name Plasticwise Gizo was given after the first recognition of the first international branch of the Australian community group known as Plasticwise Australia.

Plasticwise networking is originated from Australia, in a small town in Yackandandah (Victoria); their key goal was to reduce plastic waste and to prevent further damage that can cause negative impact to our environment. Few years later, 20 new branches of Plasticwise were established across the country and internationally.

Plasticwise Gizo has good networking with other international groups. Plasticwise Gizo consists of 120 members, but due to the COVID-19 pandemic, most of the members have left to live in the villages. Currently, the group has a total of 50 active members, which are mostly women. Plasticwise Gizo has undertaken different types of activities to maintain and manage the eco-friendly environment.

ABOUT THE CLEAN-UP DAY

Overall Information

These clean-up champagne is part of the International Coastal Clean-up Day (ICCD), which is usually celebrated on the 17th of September globally, but due to the administration paper work being delayed, the plastic-wise Gizo has conducted the International Coastal Clean-up Day on the 13thand 27th of October 2022 for the Audit Data collection and the Coastal Clean- up Champagne. The ICCD activities were successfully carried out in two separate locations at small Naru (Nusa Nane) and Nusatupe.

Small Naru is one of the panic destinations where most of the people living in Gizo spend their weekends with their families for picnics. Small Naru is located four (4) kilometres from Gizo town and is surrounded by beautiful white sands, blue seas, and corals.

Nusatupe is an island 2 km from Gizo Island, where Gizo airport is located. Nusatupe is one of the popular islands in the Western Province, where most tourists who travel by plane have to reach before traveling to their destination.

Description of activities

Audit Activity

Audit data collection was conducted at small Naru, also known as Nusa Nane, on the 13th of October 2022. Onsite verification and measurement of the location were done the day before the audit was conducted. The methodology used for collecting the data is based on the Litter International Coastal Audit tools.

There were a total of 36.43 kg of garbage collected during the audit collection, which was classified according to the litter categories sheet.

Coastal Clean- up Activity

There are total of nineteen Plasticwise members who are participated in the coastal clean-up champagne. The garbage collection clean-up champagne was carried out on the western half of Nusatupe, at the western end of the island. All the garbage or rubbish collected during the coastal clean- up was sorted out according to 14 different litter classifications, with a total weight of 121 kg.

Number of participants on Audit data collection at Small Naru (Nusa Nane) **13/10/2022:**

- Women: 8
- Men: 6
- Children (under 18 years old): No

Number of participants on Clean-up Champagne at Nusatupe (27/10/2022):

- Women: 14
- Men: 5
- Children (under 18 years old): No

Location of the clean-up activity:

Site Map: Small Naru (Nusa Nane)

Audit Information

Date conducted: 13/10/2022

Number of Participants: 14

Latitude: -8.455240

Longitude: 118.732918

Total kg collected: 36.43 kg

Time Start: 10:00 am

Time Finished: 2:00 pm

Site Map: Nusatupe

Coastal Clean- up Information
Date conducted: 27/10/2022

Number of Participants: 19

Total kg collected: 121 kg

Time Start: 09:00 am

Time Finished: 12:00 pm

Site on arrival

Site after the clean-up

Rubbish collected from the audit collection at Naru (Nusa Nane)

Type of waste	Quantité (kg)*	Quantity (volume, number, etc.)*
Plastic	8.83 kg	138
Foam Plastic	1.5 kg	145
Fabric and Textile	0.7 kg	2
Glass & Ceramic	6.0 kg	17
Metal	5.6 kg	143
Paper & Cardboard	0.3 kg	6
Rubber	1 kg	1
Wood	11.5 kg	10
Others	1 kg	11
Total	**36.43 kg**	**473**

* Use the most appropriate column according to the type of waste

Solid Waste collected from the clean- up champagne at Nusatupe

Type of waste	Quantité (kg)*	Quantity (volume, number, etc.)*
Plastic	24 kg	552
Foam Plastic	1.5 kg	145
Fabric and Textile	10.5 kg	256
Glass & Ceramic	18.5kg	154
Metal	52 kg	321
Paper & Cardboard	8.5 kg	220
Others	6 kg	89
Total	**121 kg**	**1737**

Graphs on Data Collection

Graphs showing the percentage of rubbish categories collected during the Audit and Coastal Clean- up Champagnes.

Fig 1 Small Naru (Nusa Nane)

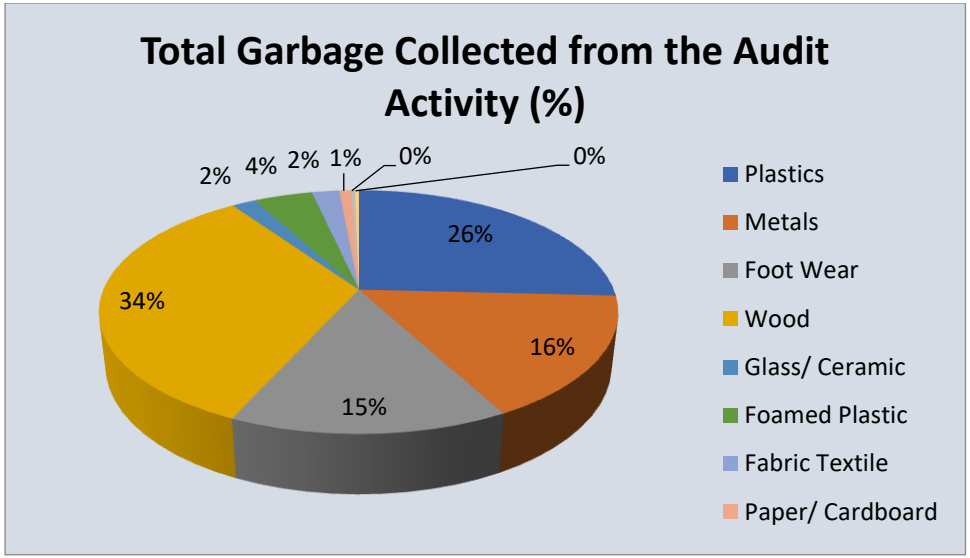
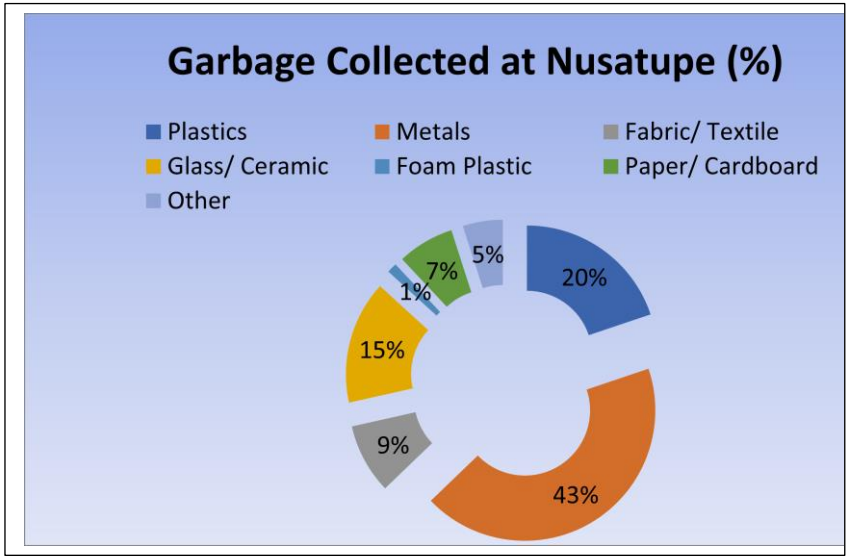


Fig 1 shows that the highest percentage of the rubbish collected during the audit survey is wood with 34%, followed by plastic waste with the total of 26%. 16 % of the garbage collected is metal. 15% is foot wear, 4% is foam plastic, 2% is glass and fabric textile and 1% is other unidentified rubbish.

Fig 2 Nusatupe



According to the graph 2 shows that metal has the highest number of 43%. Each item is categorized according to sub-categories. 20% of the rubbish collected is plastics, 15% is glass, 9% is fabric, 7% is paper cardboard, 5% is other items cannot be identified and 1% is foam plastic.

Pictures taken during the Coastal Clean- up Champagne at Nusatupe

AWARENESS PROGRAM AT NUSATUPE

An awareness program was also conducted after the coastal clean-up program at Nusatupe. The targeted group for the awareness program is those people who are living in and around the Nusatupe area and the CAUSE Project workers who are currently working at the Nusatupe wharf project. The idea to carry out the awareness program is based on the amount of trash collected from the Nusatupe area.

Outline of the awareness:

- ✓ Introduction of the Organisation
- ✓ Highlights of the international Coastal Clean Day 2022.
- ✓ Information sharing on the 3 Rs initiatives.
- ✓ Information on Climate Change and its negative impact on our marine ecosystem and land.
- ✓ Roles and responsibilities of citizens of Gizo town in relationship to waste management.
- ✓ Importance of segregation of waste at home.
- ✓ Questions and Answers from the participants.

Pictures taken during the awareness program.

Appendix 1 – Registration forms

Participant list
Date: 13th/10/2022
Venue: Small Naru (Nusa Nane) Audit Survey

No.	Name	Contact
1	Nerolyn Fred	7467814
2	Merrilyn Roy Vana	7160845
3	Geisae Sukulu	7226184
4	Ollie Rani	7966372
5	Mezie Biliki	7748040
6	Josphine Kale	7465711
7	Rendy Solomon	7466256
8	Kedrian Vilibisi	7338375
9	Steve Aralolu	7932008
10	Manold Makana	7189666
11	John Sipuda	-
12	Robert Kera	7118701
13	Ben Bilua	7464413

Participant list
Date: 27th/10/2022
Venue: Nusatupe Coastal Clean- up Champagne

No.	Name	Contact
1	Jully Misimaka	7791992
2	Nerolyn Fred	7467814
3	Prima Maena	-
4	Ima Pepu	7611777
5	Geisae Sukulu	7226184
6	Ollie Rani	7966372
7	Mezie Biliki	7748040
8	Matila Ringi	7776427
9	Rendy Solomon	7466256
10	Kedrian Vilibisi	7338375
11	Steve Aralolu	7932008
12	Manold Makana	7189666
13	John Sipuda	-
14	Robert Kera	7118701
15	Camilla Sisiolo	7708089
16	Merie Kimisi	7985423
17	Maria Rokoto	7326670
18	Lavines Hoala	-
19	Ulutah Gina	7782943

Appendix 2 – Waste collection form

- See attachment for scan Audit Survey

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

TEMOTU PROVINCIAL GOVERNMENT

OCTOBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Temotu Provincial Government (TPG)

Project Manager (and contact details): Gabriel Teao; Lata Town Clerk

Organisation Description and History:

Temotu Provincial Government is a national government agent in the province. It was given provincial status by the national government on the 8th of June 1982 and ever since has been operating as a channel through which all government services is the province has been delivered

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The activity undertaken includes the following;

i) Site inspection of the proposed clean up area. This includes consultation with residents near the clean-up area and agreement on the time to conduct
ii) Identification of participants to do the clean-up and setting of date and time to do the clean up
iii) Conduct of awareness with participants and members of the community on the importance of coastal clean up
iv) Final briefing at the beach site on what to be done before actual work is done with the participants
v) Conduct of clean up at Nella beach coastal area

Location of the clean-up activity:

The location of the coastal beach clean up was undertaken at Nella beach. The beach is is common place for communities in Nella settlement area and residents of Lata. It is only about 3-5 minutes' drive from Lata town centre

Timetable:

Number of participants: (Registration form in Appendix 1), including

- Women: - 20 adult females
- Men: - 15 adult males
- Children (under 18 years old):- 5 children male
  4 children females

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Natural débris	144kg	5 scale loads
Plastic	22kg	6 plastic bags
Bottes	3kg	1 plastic bag
Tins	16kg	3 plastic bags
Fabric	25kg	3 plastic bags
Iron & Aluminium	2kg	1 plastic bag
Sticks	13kg	1 scale load
Total	**225kg**	

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2)

Photographic coverage of the event (Insert photos of the event and waste collected):








Appendix 1 – Registration form

International Coastal Clean-up Day 2022 – Activity Report – Temotu Provincial Government

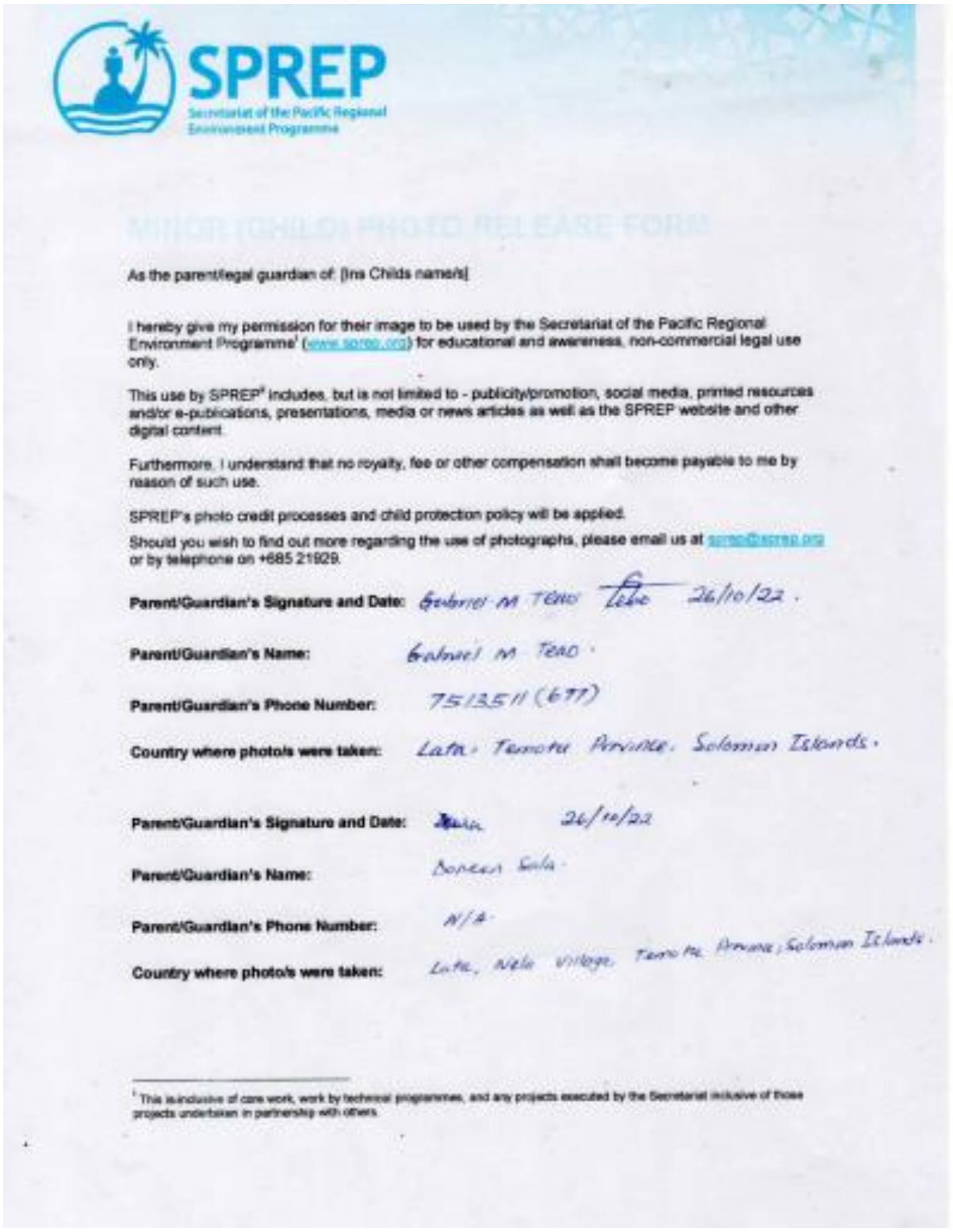
Appendix 1 – Registration form

No.	Names	Gender	Age
1	Hilda Beu	Female	52 years
2	Lucky Bade	✓	18 ✓
3	Lynson Sala	Male	23 ✓
4	Ellen Tungale	✓	20 ✓
5	Ben Tirks	✓	57 ✓
6	Mose Tungale	✓	22 ✓
7	George Lolvo	✓	53 ✓
8	John Kea	✓	26 ✓
9	James Pele	✓	57 ✓
10	Stevenson Loki	✓	20 ✓
11	Ronald Bade	✓	19 ✓
12	Nester Teri	Female	45 ✓
13	Dorah Teao	✓	58 ✓
14	Doreen Sala	✓	22 ✓
15	Ellen Sala	✓	28 ✓
16	Eli Tirkio	✓	22 ✓
17	Ina Salo	✓	27 ✓
18	Anna Luesa	✓	52 ✓
19	Dalcy Moli	✓	48 ✓
20	Shirley Teao	✓	23 ✓
21	Emma Sale	✓	59 ✓
22	Gamy Nongo	✓	48 ✓
23	Ellen Inapi	✓	25 ✓
24	Everlyn Mekabati	✓	20 ✓
25	Hilda Meda	✓	40 ✓
26	Rose M Dirgi	✓	52 ✓
27	Dalcy Vaiyue	✓	42 ✓
28	Dalcy Willie	✓	20 ✓
29	James Birh	Male	18 ✓
30	Walter Abeo	✓	59 ✓
31	Wilson Nongo	✓	46 ✓
32	Willie Moli	✓	52 ✓
33	James Tirks	✓	23 ✓
34	Novela Teli	Female	13 ✓
35	Pulsen Nongo	Male	3 ✓
36	Leon Pirtaame	✓	2 ✓
37	Hensly Balu	✓	3 ✓
38	Elran Sala	Female	2 ✓
39	Able Bice	Male	7 ✓
40	Rockie Moli	Male	6 ✓
41	Ha Livian Menoni	Female	16 ✓
42	Vanita Vaiyue	Female	2 ✓
43	Richard R Teao	Male	52 ✓

Australian Government KIOST

7 | Page

Australian Government KIOST KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY



SPREP
Secretariat of the Pacific Regional Environment Programme

MINOR (CHILD) PHOTO RELEASE FORM

As the parent/legal guardian of: [Ins Childs name/s]

I hereby give my permission for their image to be used by the Secretariat of the Pacific Regional Environment Programme[1] (www.sprep.org) for educational and awareness, non-commercial legal use only.

This use by SPREP[2] includes, but is not limited to - publicity/promotion, social media, printed resources and/or e-publications, presentations, media or news articles as well as the SPREP website and other digital content.

Furthermore, I understand that no royalty, fee or other compensation shall become payable to me by reason of such use.

SPREP's photo credit processes and child protection policy will be applied.

Should you wish to find out more regarding the use of photographs, please email us at sprep@sprep.org or by telephone on +685 21929.

Parent/Guardian's Signature and Date: Gabriel M Tego 26/10/22.

Parent/Guardian's Name: Gabriel M Tego.

Parent/Guardian's Phone Number: 7513511 (677)

Country where photo/s were taken: Lata, Temotu Province, Solomon Islands.

Parent/Guardian's Signature and Date: 26/10/22

Parent/Guardian's Name: Doreen Sala.

Parent/Guardian's Phone Number: N/A.

Country where photo/s were taken: Lata, Nele village, Temotu Province, Solomon Islands.

[1] This is inclusive of core work, work by technical programmes, and any projects executed by the Secretariat inclusive of those projects undertaken in partnership with others.

SPREP
Secretariat of the Pacific Regional Environment Programme

[a] SPREP is an inter-governmental Pacific environment organisation charged with promoting cooperation and to provide assistance in order to protected and improve its environment and to ensure sustainable development for present and future generations. The SPREP vision is: The Pacific environment - sustaining our livelihoods and natural heritage in harmony with our cultu

Parent/Guardian's Signature and Date: 26/10/22

Parent/Guardian's Name: John Medeauko

Parent/Guardian's Phone Number: N/A.

Country where photo/s were taken: Nela village. Lata, Temotu Province, Solomon Islands.

Parent/Guardian's Signature and Date: 26/10/22

Parent/Guardian's Name: Ellen Sale

Parent/Guardian's Phone Number: N/A.

Country where photo/s were taken: Nela Village, Lata. Temotu Province. Solomon Islands.

Parent/Guardian's Signature and Date: 26/10/22

Parent/Guardian's Name: Salote Pie

Parent/Guardian's Phone Number: N/A.

Country where photo/s were taken: Nela village Lata. Temotu Province. Solomon Islands.

Parent/Guardian's Signature and Date: 26/10/22

Parent/Guardian's Name: Thomas Vaigu

Parent/Guardian's Phone Number: N/A

Country where photo/s were taken: Nela village. Lata. Temotu Province, Solomon Islands.

Appendix 2 – Waste collection form

TYPES OF WASTE	LOAD NUMBERS	KG WEIGHT
Natural debris	Group 1	23
	Group 2	26
	Groups 3	33
	Group 4	34
	Group 5	28
		0
Plastic	Group 1	4
	Group 2	4
	Groups 3	3
	Group 4	4
	Group 5	5
	Group 6	2
		0
Bottles	Group 1	3
		0
Tins	Group 1	5
	Group 2	7
	Groups 3	4
		0
Fabric	Group 1	9
	Group 2	8
	Groups 3	8
		0
Iron & Aluminium	Group 1	2
		0
Sticks	Group 1	13
		0
Overall Total		**225kg**

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

LUAVA WARD 8 DEVELOPMENT COMMITTEE

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Luava Ward 8 Development Committee

Project Manager (and contact details): Malasy Junior Malakia

Email: mmalakia@fisheries.gov.sb

malakiam45@gmail.com

Mobile: 677 7250926

Organisation Description and History: Luava Ward 8 Development Committee is one of the 17th Established ward committee in Temotu Province that has function mandated and supported by the Temotu Provincial Government. One of the key functions of the Committee is to receive and manage funds from the provincial government to implement important ward development projects. Annually the committee was given funds deposited into its bank account and implement projects based on its annual work plan.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity: Prior to the actual activity, a beach survey was carried out by the project manager and the volunteers. Beach survey include, site identification and demarcation of the area that need immediate cleaning. On 5th of October 2022, the actual coastal clean-up was carried out. First, the team was transported to the clean up site (Luava Beach) to do a brief awareness before set off to the beach. After, the brief awareness the team were then fall into their groups. The team then issued with Cabbages bags and then set off for the actual cleaning up. Waste collected was then audited and transported to the land fill site for disposal. The total area covered during the clean-up was approximately 500m.

Location of the clean-up activity: Luava Beach Coordinates

Start 10°42.645'S, 165°47.846'E **End** 10°42.569'S, 165°48.076'E

Timetable:

- ✓ 15th September general awareness with regards to the proposed international coastal clean-up day 2022. Voluntary call for interested participant and registered names to participate in the proposed clean-up site.
- ✓ 17th September 2022, unfortunately, LOA not singed by vendor and SPREP.
- ✓ 26th September 2022, Project manager proposed date for clean up which was 30th September 2022. Unfortunately, this was not happened due to several reasons. Hence, we re-schedule the timing for the event to fall into 5th October 2022.
- ✓ 7:00am, 5th October 2022, all participant was transported to Luava beach
- ✓ 7:30am- 8:30am brief awareness, methodology and safety awareness was given to all participant.
- ✓ 9:30am International Coastal Clean-up Day was officially started
- ✓ Participant walked from Western end of Luava Beach to the Eastern end.
- ✓ All forms of litter were collected and sorted out
- ✓ Wasted collected transported to the land fill site for disposal.

Number of participants: (Registration form in Appendix 1), including

- Women: 8
- Men: 6
- Children (under 18 years old): 11

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the Waste Collected

Type of Waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Métal – Aluminium drink cans	57.8	3,852
Metal – Butane Gass Bottles	5.58	20
Glass – Bottles & Fragments	9.64	40
Plastic - Bottles <=2 liter	40.38	130
Plastic – Inidentifiable soft plastic fragments	15.2	20
Plastic – Inidentifiable hard plastic fragments	11.24	200
Fabric & Textile – Clothing, towels	31.52	108
Rubber- Bicycle tyre	11.8	1
Others – Batteries Household (ABC Bat.)	3.24	30
Total	**186.4**	**4,401**

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):


VOLUNTEER


CANOE
Whisky

Appendix 1 – Registration form

Participant list- International Coastal Cleanup Day 2022.

Luava Ward 8 WDC

Name	Gender	Age	Occupation
PATRICK MELEMA	M	60	CAPTAIN
MOFFAT GOPALA	M	29	FISHERMAN
DIANA IPAKO	F	17	STUDENT
DELINTA ILUBA	F	16	STUDENT
LAVINTA YASO	F	16	STUDENT
WILSMA IBALO	F	14	STUDENT
LOISE METULERO	M	14	STUDENT
ALICE ITOKO	F	14	STUDENT
NILTON MEYENO	MALE	15	STUDENT
NESTY INIA	M	14	STUDENT
COMMINS MEAIO	M	14	STUDENT
SANTA CRUZ KIOBE	M	11	STUDENT
EDWIN MEIBU	M	56	FARMER
MATHEW DORI	M	50	SKIPPER (BOAT).
GRACE IPUALI	F	c60	MOTHER
LUISA ABINA	F	c. 60	MOTHER
MINIE LELEINA	F	45	FARMER

Name	Gender	Age	occupation
DORINA IPAPI	F	16	STUDENT
CAROLINE ILOVA	F	c 54	FARMER
ANNIE MARTHA INAONIRTANGI	F	c.48	FARMER
SARAH INAONIRBALU	F	36	(YOUTH) FARMER.
VERO IWEBU	F	52	MOTHER
JOYCE INABO	F	51	MOTHER/FARMER.
GABRIEL MELEANGA	M	37	FARMER/DRIVER-(OBM)
KERRY KAVEA	M	33	FISHERMAN

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area Luava Ward 8 WDC

Survey Date 5th October 2022

Audit info

Audit Date 5th October 2022 **Start Time** 11:00am

# of Auditors 16 **End Time** 1:00pm

Plastic pellet assessment (A) B C D **Circle one**

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
1	ME03	Metal	Aluminium drink cans	3,852	57.8	H	
2	ME05	Metal	Butane Gas Bottles	20	5.58	H	
3	GC07	Glass	Bottles & Fragments	40	9.64	H	
4	PL02	Plastic	Bottles<=2L	130	40.38	H	
5	CL01	Fabric & Textile	Clothing, Towels,Dress etc.	20	31.52	L	
6	PL07.02	Plastic	Unidentifiable Soft Plastic fragments	200	15.2	H	
7	PL024.01	Plastic	Unidentifiable Hard Plastic fragments	108	11.24	H	
8	RB04	Rubber	Bicycle Tyre	1	11.8	H	
9	0T04	Others	Batteries- Household ACB Battteries.	30	3.24	H	
10							
11							
12							
13							
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25							
26							

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

GRACIOSA BAY WARD DEVELOPMENT COMMITTEE

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Graciosa Bay Ward 9 Development Committee

Project Manager (and contact details): Ellen Salopuka

Organisation Description and History: Graciosa Bay Ward 9 Development Committee is one of the 17th Established ward committee in Temotu Province that has function mandated and supported by the Temotu Provincial Government. One of the key functions of the Committee is to receive and manage funds from the provincial government to implement important ward development projects. Annually the committee was given funds deposited into its bank account and implement projects based on its annual work plan.

2. ABOUT THE CLEAN-UP DAY

2.1. Over all information

Description of the activity: Prior to the actual activity, an awareness was carried out by the by the project manager informing participants on how to carried out the activity. A beach survey was also conducted during the actual activity. On 31st of October 2022, the actual coastal clean-up was carried out. First, the team was transported to the clean-up site Grasiosa Bay to do a brief awareness before set off to the beach. After, the brief awareness the team were then fall into their groups. The team then issued with Cabbages bags and then set off for the actual cleaning up. Waste collected was then audited and transported to the land fill site for disposal. The total area covered during the clean-up was approximately 500m.

Location of the clean-up activity: Grasiosa Bay

Start 10°45.712'S, 165°49.380'E

End 10°45.584'S, 165°49.048'E

Timetable:

Time/Day/Date	Activity
9:30am to 2:30pm Friday 30th September 2022	• General Awareness on Marine Litter at Grasiosa bay • Survey of Site for clean up
10:30am to 4:30pm Monday 31st October 2022	• Actual Clean-up at Grasiosa Bay • Team Issued with garbage bags and set off for clean-up

Number of participants: (Registration form in Appendix 1), including

- Women: 10
- Men: 10
- Children (under 18 years old): 6

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the Waste Collected

Type of Waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Métal – Aluminium drink cans	87.9	9,500
Metal – Butane Gass Bottles	10.58	27
Glass – Bottles & Fragments	14.3	53
Plastic - Bottles <=2 liter	50.5	160
Plastic – Inidentifiable soft plastic fragments	28	23+
Plastic – Inidentifiable hard plastic fragments	20.24	200
Fabric & Textile – Clothing, towels, mosquito nets	66	182
Others – Batteries Household (ABC Bat.)	10	45
Total	**287**	**10,190**

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).\

Photographic coverage of the event (Insert photos of the event and waste collected):


ROCK
ON
XMAS

Appendix 1 – Registration form

Names	Gender	Age	Occupation
Edwin Meibu	Male	58	Farmer
Patrick Melema	Male	47	Farmer
Garet Melema	Male	26	Students
Maelis Melema	Female	30	Students
Alister Lemoa	Male	49	Leader
Roselyn Lemoa	Female	39	School leader
Roselyn Inoni	Female	32	Govt. Employee
Fiona	Female	33	students
Marlyn Ligo	Female	25	students
Magret Iwa	Female	20	Students
Jones Imbe	Male	22	Students
Rahael Bolen	Male	27	students
Mary Tagrai	Female	36	leader
Mirriam Viso	Female	19	Youth Leader
Joseph Nidi	Male	22	Youth Leader
Michael Talika	Male	33	Student
Jenny Loka	Female	36	leader
Vero Kuli	Female	17	youth
Suzie Boratarakı	Female	14	Youth
Tasa Nina	Female	12	Youth
Alice Maku	Female	10	Youth
Malyn Kuli	Female	8	Youth
Rosalyn Meke	female	17	Youth
Vicky Sopu	Female	9	Youth
Doreen Maake	Female	34	Leader
Peter Tada	Male	24	Fisherman
Moffat Misu	Male	31	Fisherman
Ellen Salopuka	Female	26	Fisherwoman.

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Graciosa Bay
Survey Date: 31st October 2022

Audit info

Audit Date: 3st October 2022
Start Time: 1:00pm
# of Auditors: 20+
End Time: 3:30pm

Plastic pellet assessment: A (B) C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
1	ME03	Metal	Aluminium drink cans	9,500	87.9	H	
2	ME05	Metal	Butane Gas Bottles	27	10.58	H	
3	GC07	Glass	Bottles & Fragments	53	14.4	H	
4	PL02	Plastic	Bottles<=2L	160	50.5	H	
5	CL01	Fabric & Textile	Clothing, Towels,Dress etc.	23+	28	L	
6	PL07.02	Plastic	Unidentifiable Soft Plastic fragments	200+	20.24	H	
7	PL024.01	Plastic	Unidentifiable Hard Plastic fragments	182	66	H	
8	RB04	Rubber	Bicycle Tyre	3	11.8	H	
9	0T04	Others	Batteries- Household ACB Battteries.	10	45	H	
10							
11							
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

ERAKOR RIDGE TO REEF MANAGEMENT COMMITTEE

24TH SEPTEMBER 2022

Erakor 2nd Lagoon Coastal Clean up

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Erakor Ridge to Reef Management Committee

Project Manager (and contact details): Carlos Noronha (on behalf of Marik Patrick Waoute – Chief of the Sea)

Organisation Description and History:

The Erakor Council of Chiefs is a traditional leadership decision making traditional social structure composed by 20 Chiefs, including assistant chiefs, and 1 Paramount Chiefs. Each chief represents different communities at the area of Erakor, between Port Vila, the Capital city of Vanuatu and Eratap, another area with its own council of chiefs, in the South part of Efate Island of Vanuatu.

The Erakor Council of Chiefs have conflict resolution powers, security, social development responsibilities of the communities the chiefs look after. They also have a major customary responsibility over the stewardship of traditional knowledge, culture land, ocean, and natural resources.

The Erakor Council of Chiefs look after the Erakor Lagoons, a major natural resource of Vanuatu where marine life breeds and move to the Open Ocean. The Lagoons have been suffering of major degradation from the effects of climate change, Tropical Cyclone level 5 Pam (many broken trees), El Niño (many fish died in 2016 due to raise temperature of water) and coastal erosion, sea level rise and king tides, flooding , La Niña (2020 ,2021 many fish died due to pollutants), mix between sewage and clean water, overfishing, pollution due to quick and unplanned development.

Overwhelmed with the recent ecological disasters and in reaction to the state of the Lagoon, the Council of Chiefs have developed and approved the Erakor Lagoons Restoration Plan, currently in a phase of engagement with communities, businesses and local, provincial and national Government authority's and already in implementation.of the 2nd Lagoon. The Erakor Bridge Community is continuing its efforts to make their local environment healthy and free of rubbish with a community clean-ups

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The Erakor Lagoons Restoration Plan http://storian.invanuatu.net/ is designed to purposely not be funded. The plan has 3 main goal: 1STOP Pollution, 2CLEAN and 3RESTORE the Lagoons. Underline is a 4th expected goal: Awareness, Education and Livelihoods.

This conscious decision aims allow a consultation process and gain the engagement of stakeholders and partners who will ideally not contribute with money but in kind (transport, volunteering work, exemption of fees, awareness, education, and training services inputs, for example. Stakeholders like national, provincial, and local government departments will have the chance to direct engage with this community led plan by provide services and their resources to a common goal: Restoring the Erakor Lagoons. Businesses on the Tourism sector have already provided significant support assisting the Chiefs with the logistics of the identification of pollution hotspots, by providing light food and refreshments and also community clean ups. The Vanuatu Police Force, Shefa Province, National University, University of South Pacific, Municipality, Vanuatu Climate Action Network, Department of

Environment, Department of Fisheries, Department of Water Resources, Holiday Inn Resort, Le Lagoon resorts, Seaside Council of Chiefs are example of some partners that have been contributing to the implementation of the Erakor Lagoons Restoration Plan. Other communities of around 23 km of coast are being engaged to active participate in the Plan and that will start with induction meetings with community leaders, organisation of a whole community awareness by representing the Play Bibingo (https://www.youtube.com/watch?v=abvRguNn3Js&list=PLx1jIOLugLOt01UyGZ5ih0i4IF60wk8eN&index=39 : Ministry of Lands and Natural Resources signing the pledge to Save the Erakor Lagoons) to make awareness on the degraded state of the Erakor Lagoons and engage communities to participate.

All are invited to Join, Communities who live around the Emtem Lagoon to make a clean up.

We also do Radio interview, through Radio Vanuatu, as awareness for the clean up https://drive.google.com/file/d/1c0X-JU0qS4mZsdYNVwnQUUU_VUbhh0xW/view

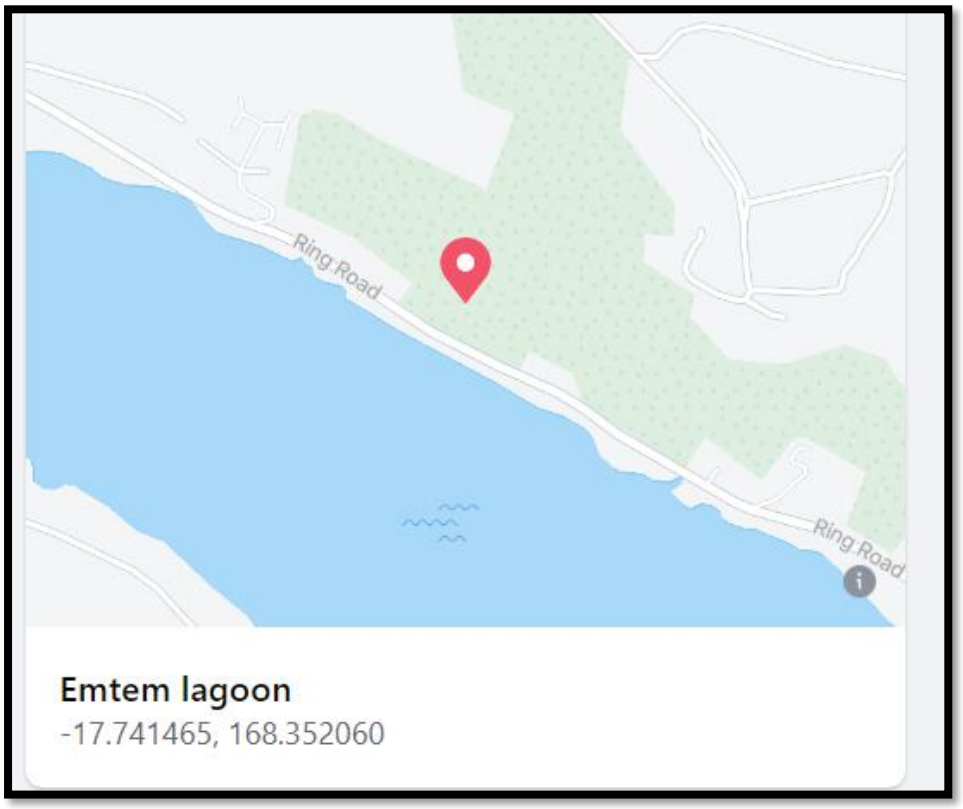
As part of the Erakor Lagoons Restoration Plan, and after the Earth Day (22 April), World Environment Day (5 June) the Erakor Council of Chiefs have planned to make the international Coastal Clean up

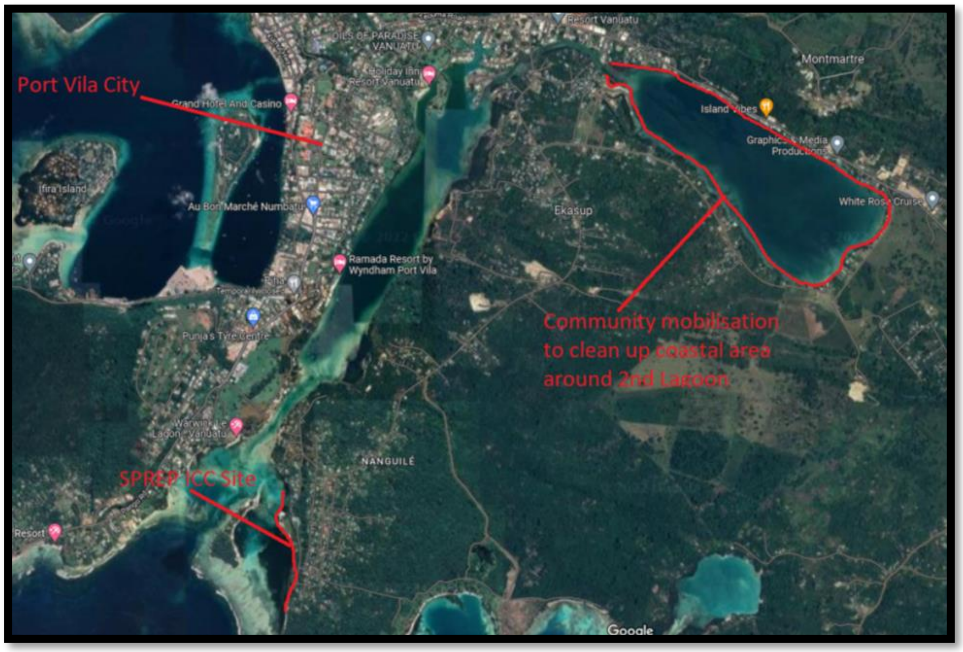
You can access more post on this activity here:

https://www.facebook.com/Vanuatuclean/photos/pcb.840174360667143/2291078721067073/?__cft__[0]=AZV9jZdpcWNhEV6-72SzIwTqIC2qzB-1BuAL6elqzmgqM-zFVXFInrNlY_nuu02VImUKoVR2MSPogjC1qVUN7koyyVzEDy_rC4f1gvnUfNpn172u27x3QjqDZ5D8LjipylZ0fQWhNyZOgeW10V3EvIRK&__tn__=*bH-R

https://www.facebook.com/Vanuatuclean/photos/pcb.831858218165424/2280598975448381/?__cft__[0]=AZXigIU0onsv9XboYWTanKCBfjxe3oPY074V0Y79dTSNsqtjSyJoPTNovYBD0jdQM3JrgIL4Q-Bsu0p-YRo8xxoDUJt1ilqSI583ULri0SN5SBhTzfqMRDlcU9rMgLOnQwu0XQYPptMIsDnBQr_wxwv9&__tn__=*bH-R

Location of the clean-up activity:





Timetable:

September 2022 ⟶ December 2022 ⟶ March 2023 ⟶ June 2023

Time	Activity
7:30	**Distribution of protection equipment, T-shirts and plastic bags provided by Municipality and Erakor Express**
8:00 -09:00	**Briefing through the survey steps and team up in pairs**
09:00-10:30	**Erakor youths are at the survey area and start to measure the 100 meters out to the sea and back to the beach**
10:30 -11:30	**Complete the Litter survey**
11:30 – 12:00	**Complete Litter Audit**
12.00 -12.30	**Program ends and pick of youths back to Erakor for Lunch**

Number of participants: (Registration form in Appendix 1), including

- Women:7
- Men: 5
- Children (under 18 years old): 8: 4 boys and 4 girls

Site on arrival (add photos of the site):

Title: *3 Erakor Lagoon ICC 2022*

Altitude: *16.43 m*
Latitude: *-17.7745348*
Longitude: *168.3132545*
Date/Time: *24/09/2022 11:33:37 am*
Address: *68G7+7G4, Port Vila, Vanuatu*

During Clean up

Title: *2 Erakor Lagoon ICC 2022*

Altitude: *16.43 m*
Latitude: *-17.7738892*
Longitude: *168.3132630*
Date/Time: *24/09/2022 11:32:19 am*
Address: *68G7+7G4, Port Vila, Vanuatu*

Site after the clean-up (add photos of the site):

Title: *Erakor Laggon ICC 2022*

Altitude: *16.43 m*
Latitude: -17.7739170
Longitude: *168.3132522*
Date/Time: *24/09/2022 11:30:25 am*
Address: *68G7+7G4, Port Vila, Vanuatu*

Noting that this beach we do our clean up, and is being regularly clean by the villagers and so in the future we will choose another remote beach to monitor

Here is the link to more clean up pictures:

https://drive.google.com/drive/folders/1_4OvH-0Km3yU2YyqOaH8kiFU6-2vwu4d?usp=share_link

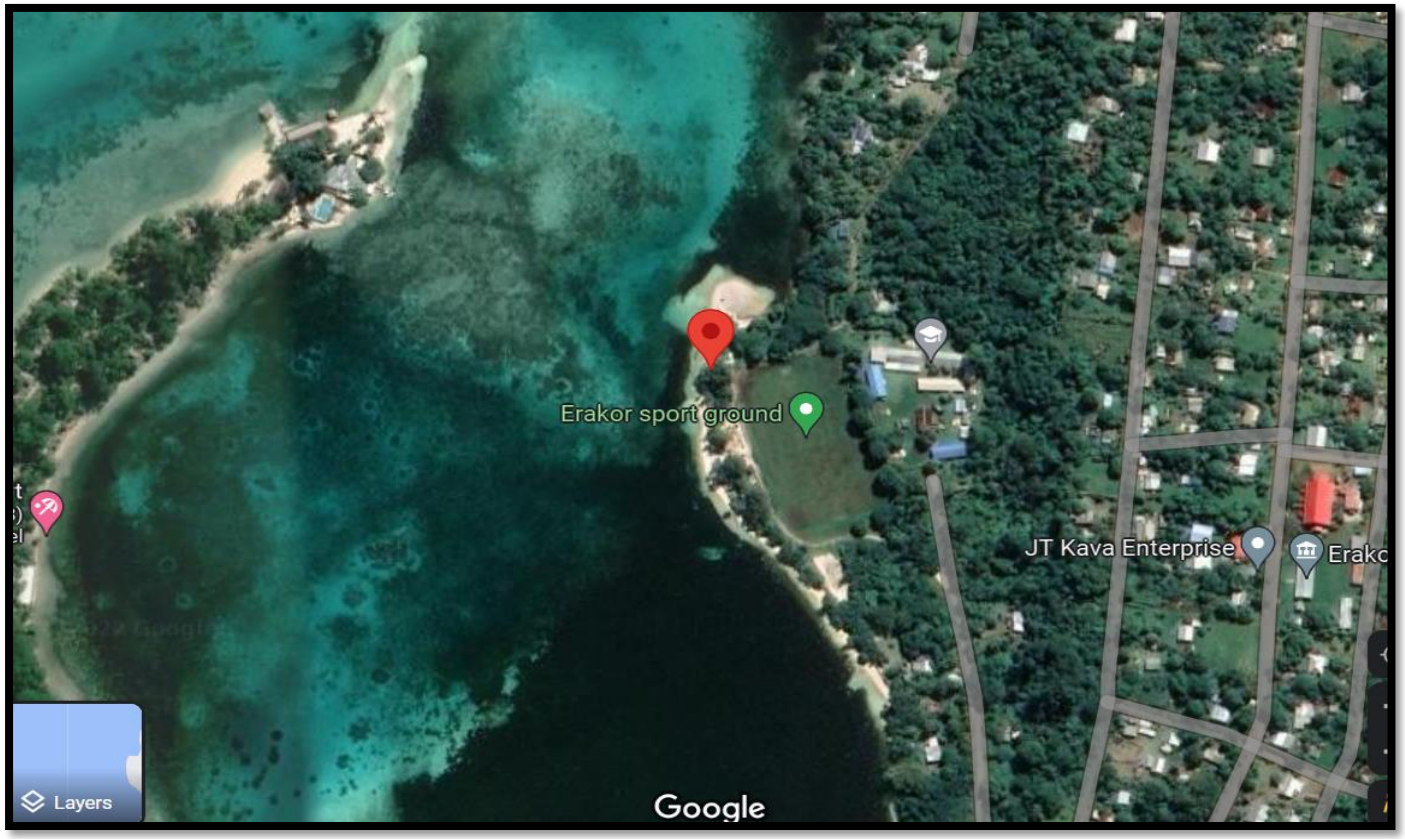
2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastics	198 gram	62
Glass & Ceramic	275 grams	42
Metal	320 grams	48
Paper & Cardboard	74 grams	5
Wood	5 grams	1

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):



Pictures of Waste Collected

Here is the link to more pictures for Waste : https://drive.google.com/drive/folders/1-6BXEV4URYlVLN3ONPk2B835rFmEVfxH?usp=share_link

Appendix 1 – Registration form

Consent form for Children : https://drive.google.com/file/d/1F_jWNaAf6VlvpjfHlrixE3xzPWpZmlpb/view?usp=share_link

Consent form for Youths :

https://drive.google.com/file/d/1eJzROV8v7YhTzwp9Y97zPWConDKOyr_e/view?usp=share_link

Appendix 2 – Waste collection form

You can access the combined Audit form here

https://drive.google.com/file/d/1f7TVz63iKpo1jdxVvZbuaD4VzKmxTpcf/view?usp=share_link

Below is the link to two videos taken on that day:

http://storian.invanuatu.net/wp-content/uploads/sites/34/2022/10/WhatsApp-Video-2022-09-25-at-08.27.37.mp4?_=1

http://storian.invanuatu.net/wp-content/uploads/sites/34/2022/10/WhatsApp-Video-2022-09-25-at-08.19.01.mp4?_=2

JOURNEE MONDIALE DE NETTOYAGE DU LITTORAL 2022

EN PARTENARIAT AVEC LE PROJET *S'ENGAGER POUR UNE GESTION DURABLE DES DECHETS DANS LE PACIFIQUE (SWAP),* LE PROJET *PACIFIC OCEAN LITTER PROJECT (POLP),* LE PROJET *KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

ET

FAIVA TAUTAI

RAPPORT D'ACTIVITE

22 OCTOBRE 2022

1. INFORMATIONS RELATIVES A L'ASSOCIATION BENEFICAIRE DE LA SUBVENTION

Nom de l'organisation : FAIVA TAUTAI

Responsable du projet (et coordonnées) : LIE Tamiano ; tel : +687 82 22 40 ; mail : pecheurpro.wallis@gmail.com

Description et historique de l'organisation : L'association FAIVA TAUTAI est une association de pêcheurs professionnels de Wallis mise en place le 23 mai 2022. Cette association a pour but premier de défendre et représenter les pêcheurs auprès de différentes structures (administrations, structures privées). Elle soutient aussi la mise en place de toutes actions utiles à la gestion durable de la pêche et des ressources marines (Aire marine protégée, réglementation de la pêche). Le dernier volet important pour l'association est de promouvoir le métier de pêcheur professionnel auprès des jeunes en proposant diverses actions afin de découvrir les techniques de pêche sur le territoire.

2. INFORMATIONS RELATIVES A LA JOURNE DE NETTOYAGE

2.1. Informations générales relative à la journée de nettoyage

Description générale de l'activité :

L'activité de nettoyage a été réalisé selon le protocole émis par le PROE. Une zone de 100 m sur 20 m a été choisi pour réaliser l'opération de ramassage de déchet. Les déchets récoltés correspondent au macro-déchet supérieur à 5 cm. Le programme de la journée était donc le suivant, rendez-vous pour le départ au wharf de Mata'utu à 7h30 pour arriver à l'îlot aux alentours des 7h45. Ensuite la zone choisit pour le nettoyage a été repéré et délimité afin de bien suivre le protocole. Deux équipes ont été formées pour pouvoir nettoyer la totalité de la zone. Une fois la collecte terminée, les déchets ont été triés et déposés au service des pêches à Wallis, où l'on a pu les peser par catégorie de déchets (plastique, verre, polystyrène).

Localisation de l'activité de nettoyage :

La zone choisit pour le nettoyage a été sélectionné préalablement par l'association FAIVAI TAUTAI, cela a été effectué sur l'îlot Faioa au sud de Wallis, sur la côte exposée à l'océan.

Horaires : 7h30 -16h

Nombre de participants : (Cf. feuille d'émargement en annexe 1), dont

- Femmes : 3
- Hommes : 9
- Enfants (Moins de 18 ans) : 2

Etat du site à l'arrivée sur les lieux (joindre une photo du site) :

Etat du site après nettoyage (joindre une photo du site) :

2.2. Informations relatives aux déchets collectés

Type de déchets	Quantité (kg)*	Quantité (volume, nombre, etc.)*
Brosse à dent	0.025	3
Bouchons et capsules de bouteille	0.034	17
Bouteille boisson + shampoing	1.570	52
Bidons	0.435	5
Chaussures en caoutchouc	0.523	8
Briques Tetra Pak	0.094	2
Tubes fluorescents	0.216	2
Bouteilles et bocaux	0.177	1
Ampoules	0.463	1
Bouées en mousse	1.252	5
Isolation ou emballage en polystyrène	0.243	12
Fragments de verre ou de céramique	0.293	26
Fragments de papiers et de cartons non identifiables	0.087	13
Stylos	0.008	2
Cordes	0.013	7
Gobelets ou emballage de produits alimentaire en polystyrène	0.024	12
Sac en plastique	0.003	1
Emballages de produits alimentaire	0.052	8
Récipient	0.041	1
Equipements de pêche	0.016	1
Bagues de goulot de bouteilles	0.004	2
Plastique dur non identifiables	0.109	13
Bouteille de gaz	3.236	1

*Utiliser la colonne la plus adaptée en fonction du type de déchet considéré

Le poids total des déchets était de 9,127 Kg.

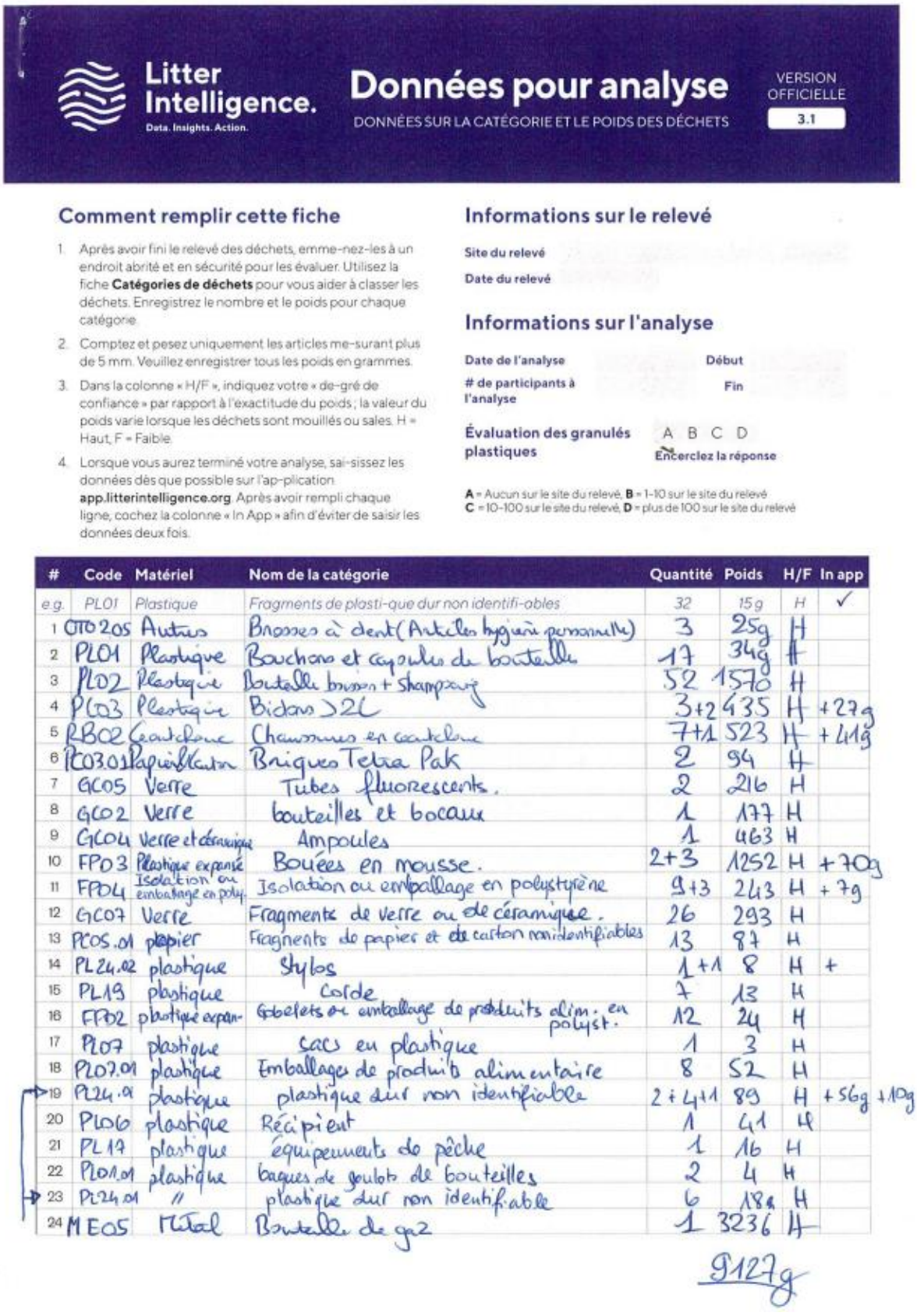
(Cf. fiche de relevé des déchets collectés en annexe 2).

Couverture photographique de l’évènement (Mettre quelques photos de l’événement et des déchets collectés) :

Annexe 1 – Liste des participants / Feuille d'émargement

Participants	Fonction
LIE Tamiano	Présidents association FAIVA TAUTAI
LIE Antony	Membre FAIVA TAUTAI
LIE Silani	Membre FAIVA TAUTAI
LIE Sosefo	Membre FAIVA TAUTAI
Uhinima Soane Patita	Membre FAIVA TAUTAI
AVEUKI Lolesio	Membre FAIVA TAUTAI
SIALEHAAMOA Christian	Membre FAIVA TAUTAI
HIVA Na'asone	Membre FAIVA TAUTAI
TUAULI Seteni	Membre FAIVA TAUTAI
FOLAUTOKOTAHI Lesina	Agent service des pêches
TAIAVA Savelina	Agent service des pêches
FLAIS Benjamin	Agent service des pêches
ROCHE Justine	Tiky prod
AKILITOA Chervine	Bénévole

Annexe 2 – Fiche de relevé des déchets collectés



Litter Intelligence.
Data. Insights. Action.

Données pour analyse

DONNÉES SUR LA CATÉGORIE ET LE POIDS DES DÉCHETS

VERSION OFFICIELLE 3.1

Comment remplir cette fiche

1. Après avoir fini le relevé des déchets, emme-nez-les à un endroit abrité et en sécurité pour les évaluer. Utilisez la fiche **Catégories de déchets** pour vous aider à classer les déchets. Enregistrez le nombre et le poids pour chaque catégorie.
2. Comptez et pesez uniquement les articles me-surant plus de 5 mm. Veuillez enregistrer tous les poids en grammes.
3. Dans la colonne « H/F », indiquez votre « de-gré de confiance » par rapport à l'exactitude du poids ; la valeur du poids varie lorsque les déchets sont mouillés ou sales. H = Haut, F = Faible.
4. Lorsque vous aurez terminé votre analyse, sai-sissez les données dès que possible sur l'ap-plication **app.litterintelligence.org**. Après avoir rempli chaque ligne, cochez la colonne « In App » afin d'éviter de saisir les données deux fois.

Informations sur le relevé

Site du relevé

Date du relevé

Informations sur l'analyse

Date de l'analyse — **Début**

 # de participants à l'analyse — **Fin**

Évaluation des granulés plastiques A B C D
Encerclez la réponse

A = Aucun sur le site du relevé, **B** = 1-10 sur le site du relevé
C = 10-100 sur le site du relevé, **D** = plus de 100 sur le site du relevé

#	Code	Matériel	Nom de la catégorie	Quantité	Poids	H/F	In app
e.g.	PL01	Plastique	Fragments de plasti-que dur non identifi-ables	32	15 g	H	✓
1	GTO205	Autres	Brosses à dent (Articles hygiène personnelle)	3	25g	H	
2	PL01	Plastique	Bouchons et capsules de bouteille	17	34g	H	
3	PL02	Plastique	Bouteille boisson + shampoing	52	1570	H	
4	PL03	Plastique	Bidons >2L	3+2	435	H	+27g
5	RB02	Caoutchouc	Chaussures en caoutchouc	7+1	523	H	+41g
6	PC03.01	Papier/Carton	Briques Tetra Pak	2	94	H	
7	GC05	Verre	Tubes fluorescents.	2	216	H	
8	GC02	Verre	bouteilles et bocaux	1	177	H	
9	GC04	Verre et céramique	Ampoules	1	463	H	
10	FP03	Plastique expansé	Bouées en mousse.	2+3	1252	H	+70g
11	FP04	Isolation ou emballage en poly.	Isolation ou emballage en polystyrène	9+3	243	H	+7g
12	GC07	Verre	Fragments de verre ou de céramique.	26	293	H	
13	PC05.01	papier	Fragments de papiers et de carton non identifiables	13	87	H	
14	PL24.02	plastique	Stylos	1+1	8	H	+
15	PL19	plastique	Corde	7	13	H	
16	FP02	plastique expan-	Gobelets ou emballage de produits alim. en polyst.	12	24	H	
17	PL07	plastique	sacs en plastique	1	3	H	
18	PL07.01	plastique	Emballages de produits alimentaire	8	52	H	
19	PL24.01	plastique	plastique dur non identifiable	2+4+11	89	H	+56g +10g
20	PL06	plastique	Récipient	1	41	H	
21	PL17	plastique	équipements de pêche	1	16	H	
22	PL01.01	plastique	bagues de goulot de bouteilles	2	4	H	
23	PL24.01	//	plastique dur non identifiable	6	18g	H	
24	ME05	Métal	Bouteille de gaz	1	3236	H	

9127g

JOURNEE MONDIALE DE NETTOYAGE DU LITTORAL 2022

EN PARTENARIAT AVEC LE PROJET *S'ENGAGER POUR UNE GESTION DURABLE DES DECHETS DANS LE PACIFIQUE (SWAP),* LE PROJET *PACIFIC OCEAN LITTER PROJECT (POLP),* LE PROJET *KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

ET

FSE MUA LAVEGAHAU

FOYER SOCIO EDUCATIF COLLEGE VAIMOANA

RAPPORT D'ACTIVITE

SEPTEMBRE 2022

1. INFORMATIONS RELATIVES A L'ASSOCIATION BENEFICAIRE DE LA SUBVENTION

Nom de l'organisation : FSE MUA LAVEGAHAU-FOYER SOCIO EDUCATIF COLLEGE VAIMOANA

Responsable du projet (et coordonnées) : BRINGOLD Margareth

Description et historique de l'organisation :

Association scolaire rattachée au collège VAIMOANA, à Mua, village de Lavegahau. Créée en 1996 et qui anime autour de la vie associative des actions sur l'environnement, la culture et les activités artistiques. Participe à la vie de l'établissement

2. INFORMATIONS RELATIVES A LA JOURNE DE NETTOYAGE

2.1. Informations générales relative à la journée de nettoyage

Description générale de l'activité :

Travail de sensibilisation autour des problématiques liées à l'environnement tout au long de l'année. Plusieurs actions sont menées depuis la 1ère participation en 2021 au programme régional :

- Travail d'analyse des déchets le 25 juin 2022 sur la zone de Lavegahau
- Travail de nettoyage de l'ilôt FAIOA le 15 juillet 2022
- Travail de sensibilisation avec la station WetF la 1ère pour la préparation de la journée de nettoyage
- Participation à la journée internationale du nettoyage des côtes à l'ilôt NUKUHIFALA.

Localisation de l'activité de nettoyage :

Participation à la journée internationale du nettoyage des côtes à l'ilôt NUKUHIFALA

Horaires : *8h00-14h00*

Nombre de participants : (Cf. feuille d'émargement en annexe 1), dont

- Femmes:
- Hommes:
- Enfants (Moins de 18 ans) : 40 enfants de moins de 18 ans

Etat du site à l'arrivée sur les lieux (joindre une photo du site) :

Le nettoyage a été réalisé autour de l'ilôt, aussi il n'est pas possible d'avoir un aperçu global de l'activité mais il est visible sur la vidéo de promotion.

Etat du site après nettoyage (joindre une photo du site) :

La photo jointe montre les 41 kilos de déchets, essentiellement des plastiques que nous avons rassemblés sur la plage avant de l'ilôt. Les déchets sont éparpillés sur tout le contour de l'île.

2.2. Informations relatives aux déchets collectés

Type de déchets	Quantité (kg)*	Quantité (volume, nombre, etc.)*
Bouteilles en plastiques/ fer	41 kilos	

*Utiliser la colonne la plus adaptée en fonction du type de déchet considéré

(Cf. fiche de relevé des déchets collectés en annexe 2).

Couverture photographique de l'évènement (Mettre quelques photos de l'événement et des déchets collectés) :

ANALYSE DU 25 JUIN 2022

TRI du 25 JUIN 2022, LAVEGAHAU

Préparation du matériel

ANALYSE DU 25 JUIN 2022

TRI du 25 JUIN 2022, LAVEGAHAU

Zone identifiée par GPS

ANALYSE DU 25 JUIN 2022

TRI du 25 JUIN 2022, LAVEGAHAU

Collecte des déchets

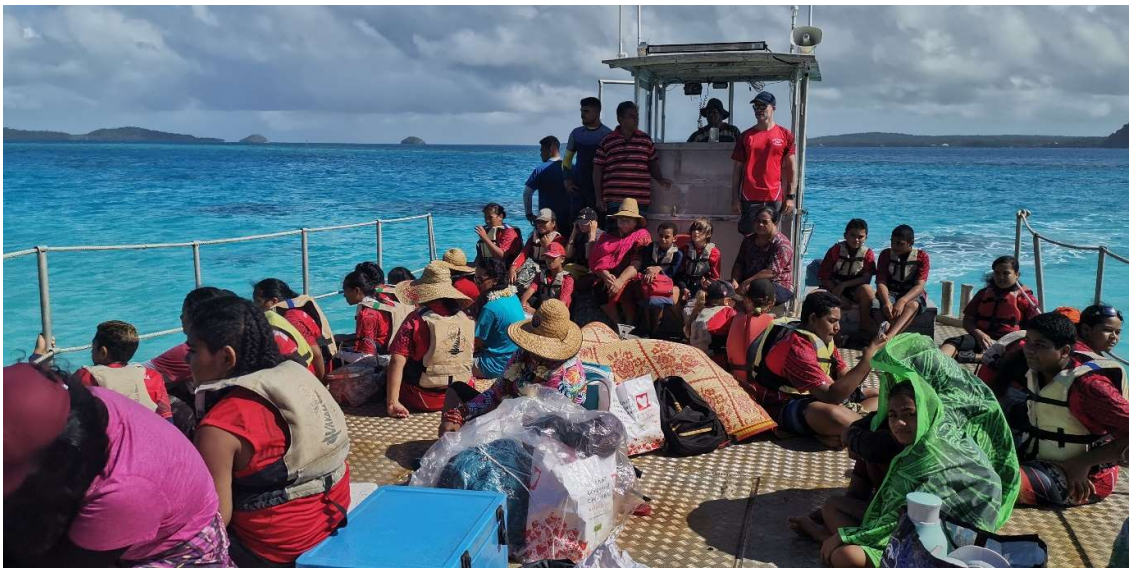
ANALYSE DU 25 JUIN 2022

TRI du 25 JUIN 2022, LAVEGAHAU

Tri et pesées en salle

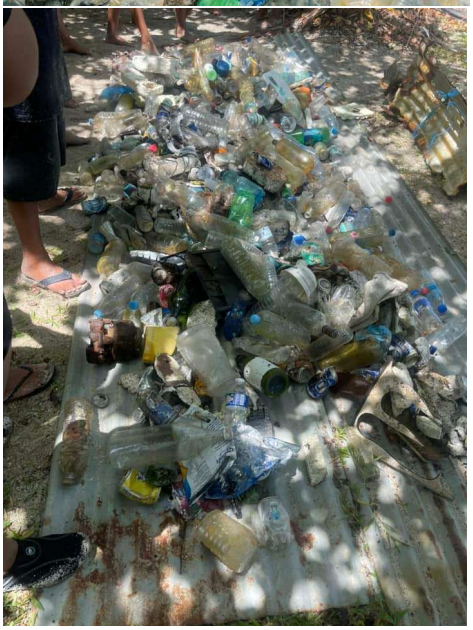



Actions du mois de juin et juillet 2022, nettoyage du littoral du bord de mer de Lavegahau, près du collège (photos du dessus) et nettoyage de l'ilôt FAIOA dans le sud de l'île de Wallis (photos du bas) avec l'aide du service territorial des phares et balises.




Journée internationale du nettoyage des côtes, ilôt de NUKUHIFALA
Septembre 2022

Collecte de 41 kilos de déchets à l'occasion de la journée internationale du nettoyage des côtes.



Les casquettes !!

Annexe 1 – Liste des participants / Feuille d'émargement

	Nom et Prénom	Classe 2022	Genre
	BOUDOT Taina	**6eA**	**F**
	DUCHET Jeanne	**5eA**	**F**
	DUCHET Samuel	**6eA**	**M**
	ELBORJI Francis	**6eA**	**M**
	FOLAUTOKOTAHI Nuanua	**4eA**	**F**
	FOLAUTOKOTAHI Vaiseni	**6eB**	**F**
	FUAHEA Leiata	**6eB**	**F**
	HUMBERT Zoé	**6eB**	**F**
	KATOA Filaki	**4eA**	**M**
	LAKALAKA Ikena	**5eA**	**M**
	LAKALAKA Niumele	**6eB**	**F**
	LATUNINA Savelina	**6eB**	**F**
	LETORREC Ydis	**6eB**	**F**
	MAFUTUNA Prisca	**6eA**	**F**
	MAFUTUNA Soakimi	**5eA**	**M**
	MANUFEKAI Alexia	**5eB**	**F**
	MANUILA Helena	**5eA**	**F**
	MATETAU Raphaël	**4eB**	**M**
	MOULIN Tessa	**6eA**	**F**
	MULILOTO Muni	**5eA**	**M**
	PAMBRUN Tamahau	**5eB**	**M**
	RICHMOND Vaimauli	**4eA**	**F**
	SELENI Isadora	**4eA**	**F**
	SUVE Peleloi	**5eA**	**F**
	TAMOLE Moina	**6eB**	**F**
	TAOFIFENUA Taniela	**5eA**	**F**
	TAUHOLA Charlotte	**6eB**	**F**
	TOAFATAVAO Fiteli	**5eB**	**M**
	TOAFATAVAO Malekalita	**4eC**	**F**
	TOAFATAVAO Pasili	**4eC**	**F**
	TUATAANE Filomena	**5eB**	**F**
	TUATAANE Taniela	**4eB**	**M**
	TUFELE Malia	**4eB**	**F**
	TUUGAHALA M.Helena	**6eA**	**F**
	ULIVAKA Telesia	**5eA**	**F**
	VAKALEPU Malia Pasikate	**5eA**	**F**
	VAOPAOGO Lumena	**4eB**	**F**
	VEHIKA Kilisitiane	**6eA**	**F**
	VILI Adriana	**6eB**	**F**
	YSSOUF Rayan	**6eA**	**M**
	KOLOKILAGI Telesia	***FSE***	***F***
	MOULIN Luc	***FSE***	***M***
	BRINGOLD Margareth	***FSE***	***F***
	TAATA Poerava	***FSE***	***F***

	FOLAUTOKOTAHI Sovita	***FSE***	***M***
	SELUI Tristan	***FSE***	***M***
	TAIAVALE Hazael	***FSE***	***M***
	MULIAVA Tagitau	***FSE***	***M***
	LAKALAKA Malia Losa	***FSE***	***F***
	LATUNINA Naty	***FSE***	***F***
50 personnes			

Annexe 2 – Fiche de relevé des déchets collectés

Les données sur les déchets collectés lors de la journée du 25 juin (analyse) sont à retrouver sur le site de LitterIntelligence en suivant le lien suivant :

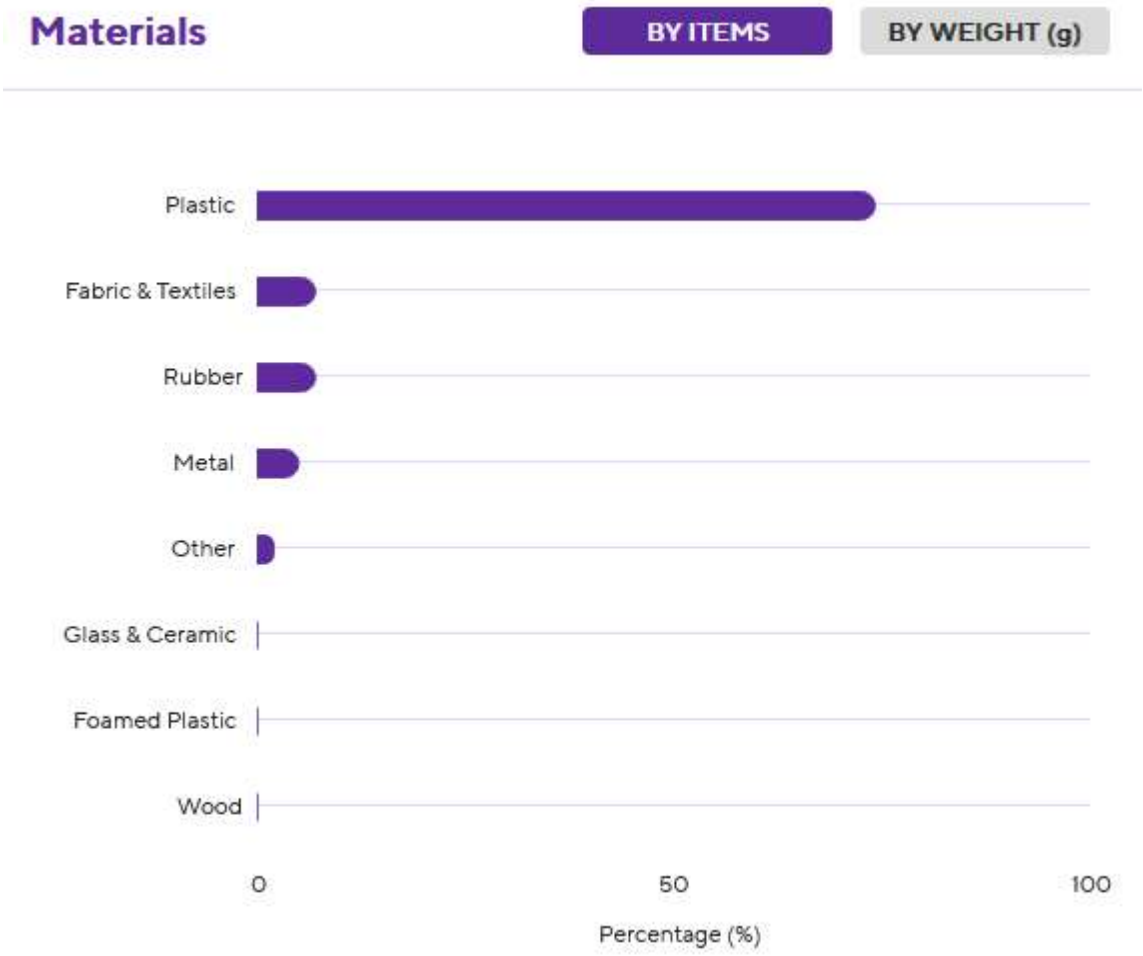
https://litterintelligence.org/data/survey?id=1856&fbclid=IwAR2LpBskbJBwNpIncUuki9iprGMcSi-524lOHuI3REDCra5cnaGiNFM7zCw

Products

302	26842
items	weight (g)

Type	Count	Weight (g)
Plastic	**225**	**9049**
Resin pellets	D	N/A
Bottle caps & lids	8	24
Other Plastic	1	37
Food containers	9	69
Plastic bags	82	260
Food wrappers	1	100
Safety & construction related	6	644
Cable ties & zip ties	9	26
Mesh bags	34	1330
Fishing gear	1	48
Rope	23	2150

Fibreglass fragments	12	903
Fishing line	1	1726
Bottles, drums, jerrycans & buckets > 2 L	3	316
Unidentifiable soft plastic fragments	12	678
Bottles <= 2 L	23	738
Fabric & Textiles	**24**	**10523**
Footwear & shoes	2	195
Rope, line or string (natural)	1	9500
Clothing, towels and linen	11	258
Unidentifiable cloth fragments	10	570
Rubber	**23**	**1890**
Inner-tubes and rubber sheet	10	180
Tyres	1	971
Other Rubber (specify)	5	293
Rubber footwear	7	446
Metal	**16**	**3486**
Metal Bottle caps, lids & pull tabs	2	6
Other Metal	1	71
Aluminium drink cans	5	172
Construction material	4	74
Fishing related	4	3163
Other	**9**	**985**
Batteries (Household)	9	985
Glass & Ceramic	**3**	**45**
Glass or ceramic fragments	2	29
Light globes/bulbs	1	16
Wood	**1**	**7**
Corks	1	7
Foamed Plastic	**1**	**857**
Polystyrene insulation or packaging	1	857


Materials
BY ITEMS
BY WEIGHT (g)
Plastic
Fabric & Textiles
Rubber
Metal
Other
Glass & Ceramic
Foamed Plastic
Wood
0
50
100
Percentage (%)

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *PACIFIC OCEAN LITTER PROJECT (POLP)*

AND

GUADALCANAL PROVINCIAL FISHERIES DIVISION/TIARO MARINE MANAGED AREA

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Guadalcanal Provincial Fisheries/ Tiaro Marine Managed Area

Project Manager (and contact details): Willie Kokopu, 1. wiwikops@gmail.com

2. **Wkokopu@fisheries.gov.sb**

Organisation Description and History: Guadalcanal Provincial Fisheries is responsible for the management, conservation and development of all fisheries and marine related activities. For the clean up on ICCD 2022 we have partnered with Tiaro Marine Managed area and did the clean up on the 17th of October 2022. We actually did 2 cleanup activities. One on the 22/09/22 which is a whole area clean up at Tiaro Bay and we did the clean up survey on the 17th of October 2022.

Guadalcanal Provincial Fisheries is currently implementing through community consultations, a Community Based Fisheries Management. Tiaro marine managed area is a flagship of the Ministry of Fisheries in terms of CBFM. Tiaro Bay marine managed area has a management plan and it is working as anticipated. The community through the Guadalcanal Provincial Fisheries has attracted JICA and funded some alternative livelihood projects.

We are so thankful to SWAP and POLP for this initiative that will definitely improve the knowledge and information regarding wastes and why it is important to manage them.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

As mention earlier, we have 2 separate cleanup activities at Tiaro Bay Marine Managed area. One on the 22/09/22 and the other were on the 17th/10/22. We have arranged with the community to do the data survey on the 22/09/22. However, due to JICAs visit to the community on the next day, we decided to leave the data survey for the 17th of October. The community however did a whole area cleanup on the 22nd October.

On the Monday 17th of October, we did the data survey at Tiaro Primary and Secondary School beach compound. The school decided to do the cleanup with us on that day. We were at Tiaro community as of Thursday 13th of October on our community based fisheries resource management activities. The cleanup activity was scheduled on this trip for Monday the 17th.

Early on Monday morning, we started the cleanup activity at the school beach compound with the teachers and students of Tiaro Primary and Secondary school. Interestingly, the weighing scale that we brought for the activity was malfunction due to a rough ride on the boat on our way to the community. We therefore have to bring all the rubbish we collected back to Honiara for weighing and proper disposal.

Once again, thank you to all the sponsors of the cleanup activity. The Agence française de Développement and the Department of Foreign Affairs and Trade of the Australian Government, SWAP project and POLP.

Location of the clean-up activity:

Tiaro Primary and Secondary School, Tiaro Marine Managed Area, Tiaro Bay, West Guadalcanal

GPS Location:

Timetable:

Number of participants: (Registration form in Appendix 1), including

- Women: 10
- Men: 6
- Children (under 18 years old): 32

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Pl 01 –Bottle caps and lid	30g	45
Pl02 – Plastic Bottle	400g	50
Pl07 - Plastic - Bag	800g	85
FP01 - Foam-Plastic	40g	68
Cl 05- Fabrick and Textile - Floor Carpet	700g	12
Cl 01- Clothes	20g	3
Cl01.01Fabrick and textile –Footwear shoes	500g	2
Me03- Metal- Aluminium cans	40g	71
Me05- MetalGas Bottle/Drum part	30g	35

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):

Appendix 1 – Registration form

Appendix 2 – Waste collection form

Appendix 1 – Registration form

	Name	Age U 18	Age A 18	Gen M	Gen F	Sign	Date		Name	Age U 18	Age A 18	Gen M	Gen F	sign	Date
1	MR: Desmond Kolo		✓	✓			17.10.22	25	Walter venda	✓		✓		M.V	17.10.22
2	MR: Benard sivo		✓	✓			" " "	26	Modesto	✓		✓		M.L	17-10-22
3	MR: Joachim Bolia		✓	✓			" " "	27	Alwin Gadokesa	✓		✓		A.G	17-10-22
4	MR: Albert switzer		✓	✓			" " "	28	Mary Lisa	✓			✓	M.L	17-10-22
5	MR: Patrick Bana		✓	✓			" " "	29	Jelyn Tina	✓			✓	J.T	17-10-22
6	MR: patrick Rongomi		✓	✓			" " "	30	Lois Ula	✓			✓	L.U	17-10-22
7	Freda ziokera		✓		✓		" " "	31	Rankay stainislus	✓		✓		R.S	17-10-22
8	Cathrine Tango		✓		✓		" " "	32	Eistein Jessy	✓		✓		E.J	17-10-22
9	Virginia Livuna		✓		✓		" " "	33	Joseph Sahore	✓		✓		J.B	17-10-22
10	Alice valena		✓		✓		" " "	34	Colman Tabulo	✓		✓		C.J	17-10-22
11	Nisma zama		✓		✓		" " "	35	Mavin sahorehana	✓		✓		M.S	17-10-22
12	Luisa Oge		✓		✓		" " "	36	Ambrose Tevi	✓		✓			17-10-22
13	Joel Nika	✓		✓		J.N	17-10-22	37	Janly chiputani	✓		✓		J.C	17-10-22
14	Samantha Kasuri	✓			✓	S.K	17-10-22	38	Devis Kelly	✓		✓		D.K.	17-10-22
15	Alphie Maria	✓			✓	A.M	17-10-22	39	Francis Billy	✓		✓		S.B	17-10-22
16	Malvin Orsborn	✓		✓		M.O	17-10-22	40	Margaret pauline	✓			✓	M.P.	17-10-22
17	Renee Austin	✓		✓		R.A	17-10-22	41	Daniel Lima	✓		✓			17-10-22
18	Hedwin Luiz	✓		✓		H.L	17-10-22	42	Lazarus Inuko	✓		✓			17-10-22
19	Patricia Mary	✓			✓	M.P	17-10-22	43	Kimlyn Bea	✓			✓	K.B	17-10-22
20	Lynthina Keida	✓			✓	L.L	17-10-22	44	Rosetina Jersey	✓			✓		17-10-22
21	Junior Philip	✓		✓		T.P	17-10-22	45	Siniva Hellen	✓			✓	S.H	17-10-22
22	Leman Luisi	✓		✓		L.L	17-10-22	46	Steliz Laugolo	✓			✓		17-10-22
23	Lawrence Lynson	✓		✓		L.L	17-10-22	47	Edward Angus	✓		✓		E.A	17-10-22
24	Amos Livuna	✓		✓		A.L	17-10-22	48	Chrisma Tave	✓			✓	C.T	17-10-22

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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area 20m x 100m

Survey Date 17/10/22

Audit info

Audit Date 17/10/22 **Start Time** 10am

# of Auditors 5 **End Time** 11am

Plastic pellet assessment A B C D **Circle one**

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

	#	Code	Material	Category name	Count	Weight	H/L	In app
	e.g.	*PL01*	*Plastic*	*Unidentifiable hard plastic fragments*	*32*	*15g*	*H*	✓
(1)	1	PL01	Plastic	Bottle Caps and lids / Pastes	45	30g		
(2)	2	PL02	11	Bottle		400g		
(3)	3	PL07	Plastic	Plastic Bags		800g		
(4)	4	FP01	Foam Plastic			40~~0~~g		
(5)	5	CL05	Fabrick and Textile	Floor Carpet	12	700g		
	6							
	7							
(6)	8	CL01	Fabric/c Textile	clothes	3	20g		
	9							
	10							
	11	~~CL01.01~~						
(7)	12	CL01.01	fabric Textile	Footwear/shoes		500g		
	13							
	14							
(8)	15	ME03	Metal	Aluminum Cans		40g		
	16							
(9)	17	ME05	Metal	Gas bottle/Down Part	35	30g		
	18							
	19							
	20							
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

QOLIQOLI COKOVATA MANAGEMENT COMMITTEE

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Qoliqoli Cokovata Management Committee

Project Manager (and contact details): Mr. Seru Moce wserumoce@yahoo.com

Organisation Description and History:

The Qoliqoli Cokovata Management committee is a community-based sustainable fisheries management body that works to safeguard interest for the sustainable management and development for the Qoliqoli Cokovata fishery and all targeted fisheries resources. It is located on the North Eastern side of Vanua Levu, the second largest island in Fiji.

The Qoliqoli Cokovata Management Committee has been in existence for the past 17 years. The Vision of the Qoliqoli Cokovata Management Committee for the districts of Dreketi, Macuata, Sasa, Mali, traditional holdings of Nabekavu and Tamonibuca is to collectively support and encourage the sustainable management of its land and marine resources to benefit all members of its community, to meet church obligations, promote education opportunities, foster and strengthen community spirit and togetherness to ensure development that is beneficial to its future generations and meeting the needs and aspirations of the current populations belonging to the areas of Qoliqoli Cokovata.

Its' Mission is to encourage all community members belonging to Qoliqoli Cokovata to work together in harmony and to ensure consensus, active monitoring and sustainable management is applied with regard to decision making and actions taken in regard to natural resources within the boundaries of Qoliqoli Cokovata.

1. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The International Coastal Clean-up day, 2022 funding was awarded to Qoliqoli Cokovata Management Committee. However, the WWF-Pacific as parts of its work in the Macuata Province are working with the Qoliqoli Cokovata ensuring to maintain healthier marine ecosystem within the Great Sea Reef.

WWF-Pacific provide support to Qoliqoli Cokovata in coordinates the event of the day through coordination and implementing activities through multi-stakeholder's engagement. It was an exciting event with presents of government ministries, CSO and NGO. Qoliqoli Cokovata Management Committee believes, to address coastal environment pollution there is need of collaborations and networking to ensure team take mobility actions.

The event schedule on the 28th of October, and began at 7.00am where all government stakeholders, CSO and NGOS assembles and departs Labasa, and travels to Mali Island by boat.

Mali island consist of 3 villages namely Nakawaga, Ligaulevu and Vesi. The team divided into three and team up with respective villages for clean-up activities. Registration were given to each team and the briefing is done by team leaders at 9.30am. Briefing focus on the priority

objectives of the event, how to collect different type of waste, waste sorting, categorizes and weighing. Due to the geographical locations of this communities, each teams has to travel and brief them accordingly and begin its clean up, waste sorting, weighing and record data that gathered from respective sites. A total of **682.5kg** of waste were collected and transport by boat to Malau landing.

Location of the clean-up activity:

- Nakawaga Village – Site 1

- Ligaulevu Village – Site 2

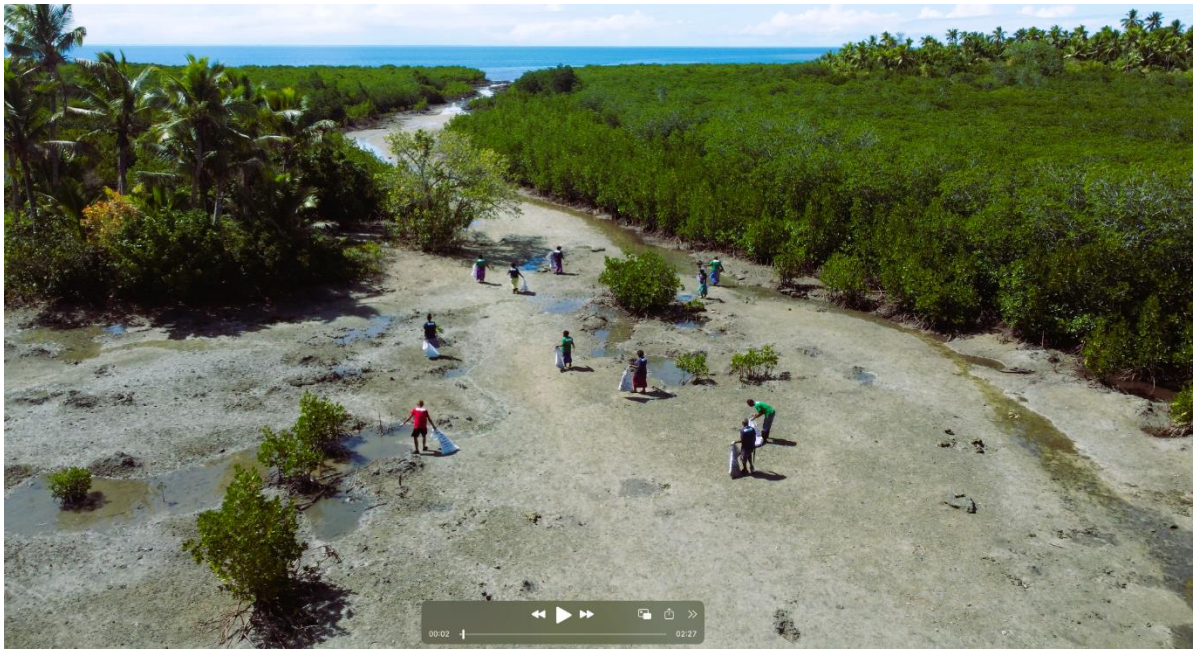
- Vesi Village – Site 3

Timetable:

Number of participants: (Registration form in Appendix 1), including

- Women: 54
- Men: 31
- Children (under 18 years old): None

Site on arrival (add photos of the site):



Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, number, etc.)*
Plastic	80	210
Household waste	250	1000
Metal	120	95
Large Plastic Items	56	35
Paper Cardboard	1.5	11
General Waste	140	2000+
Others	35	700
Total	**682.5**	**4051**

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):


Committing to Sustainable Waste Actions in the Pacific
AFD
SPREP
SWAP
Sustainable Waste Actions in the Pacific


International Coastal Clean-up Day 2022

Appendix 1 – Registration form

SITE 1 – Nakawaga Village

NAKAWAGA VILLAGE.

	Name	Department / Village.	Sign
1	Naomi Naidi	Nakawaga	Naidi
2	Alisi Moceiwasa	Nakawaga	AMoceiwasa.
3	Alumita Bulsena	✓	Rabuli.
4	~~Vani Ramuai~~	✓	
5	~~Unaisi~~ Ligadua	✓	
6	Kuini	✓	Kuini
7	Akanisi Nesi.	✓	~~Kuini~~ [illegible]
8	Vika Vakausaus	✓	[illegible]
9	Seraita Baya.	✓	[illegible]
10	Asenaca Dia.	✓	Dia
11	~~Mereseini Radudu~~	✓	
12	Asinate Nava.	✓	ANava.
13	Luke Moqe	✓	LMoqe.
14	Esoni Rona.	✓	Rona.
15	Seki Vuiqela	✓	Koliwai.
16	Vane Ramiai	✓	Ramiai
17	Unaisi Ligadua	✓	[illegible]
18	Mereseini	✓	[illegible]
19	Diana Moceiwasa	✓	DMoceiwasa.
20	Emori Latitegu	MPC	[illegible]
21	Paula Yavita	MNT Mamata	[illegible]
22	Josua T Raiova	MNT - Labasa	[illegible]
23	Taniela Rokovuwaka	Nakawaga	Rokovuwaka.
24	NACHAMEN NAGRA	DA Nakawaga Office	[illegible]
25	Tales	C3	[illegible]
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SITE 2- Ligaulevu Village

International Coastal Clean-up Day 2022 Attendance

Mali Island

LIGAULEVU VILLAGE

	Name	Village	Sign
1	MARAMA T. LALAGAVESI	~~LIGAULEVU~~ FISHERIES	
2	NARIETA LEBA	FISHERIES	
3	SAKARAIA BERU	MEHA	
4	Seini Alitia	Ligaulevu.	Seini
5	MERE COLAVATU	LIGAULEVU	Colavatu
6	KALISIANA D	LIGAULEVU.	
7	Adi Vulagi Moce	Ligaulevu	Vulagi
8	Joseva Basideni	' '	
9	Manueli Vasia	' '	
10	LITONIA BOSE	' '	
11	VILIVO RAMUA	✓	Ramua.
12	Isireli Balebau	✓	
13	Pola Salusalu	✓	Salusalu
14	Karolina Bosoka	✓	
15	Torika Raweta	✓	
16	Kalisiana Dilairo	✓	
17	Vilifati Masivou	✓	
18	Viliame Vunsiga	✓	
19	Camari Dridamu	✓	
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SITE 3- Vesi Village

VESI VILLAGE

International Coastal Clean-up Day 2022 Attendance

Mali Island

Litiana Manulevu – Senior Assistant Health Inspector
Email address – littyhawk@gmail.com

	Name	Village	Sign
1	Kalisi Dalewa	Vesi	[illegible]
2	Ilaitia T. Waimiqolo	Vesi	[illegible]
3	Temalesi Buivakaniotu	Vesi	Buivakanidu.
4	Namrata Singh	Vesi	Singh.
5	Jessica Pillay	Vesi	[illegible]
6	Shayal	Vesi	[illegible]
7	Kobeni	"	[illegible]
8	Joreti Ralivalala	C3 Fiji	Ralivalola
9	Epeli Saulayu	"	[illegible]
10	[illegible] Ratuniki	Tanbei Affairs (MPC)	[illegible]
11	Canjeh Rausele	Vesi	[illegible]
12	Tevita Tunacau.	Vesi	[illegible]
13	Arieta Tunacau	Vesi	Tunacau.
14	Mere Cabenauli	Vesi	Mabenauli
15	Asinate Saukuru	Vesi	Saukuru
16	Camelli Rausele	—	[illegible]
17	Rusiate Ragole		[illegible]
18	Litiana Manulevu	Macuata Health office	[illegible]
19	Amelia Dradrodro.	Vesi	[illegible]
20	Finau Togicimoala	Vesi	Togicimoala.
21	KOLORA RALOSA	Vesi	Ralosa
22	Ilai Iomaloma	Labasa	[illegible]
23	SEMI SAULIGA	WWF - Pacific	[illegible]
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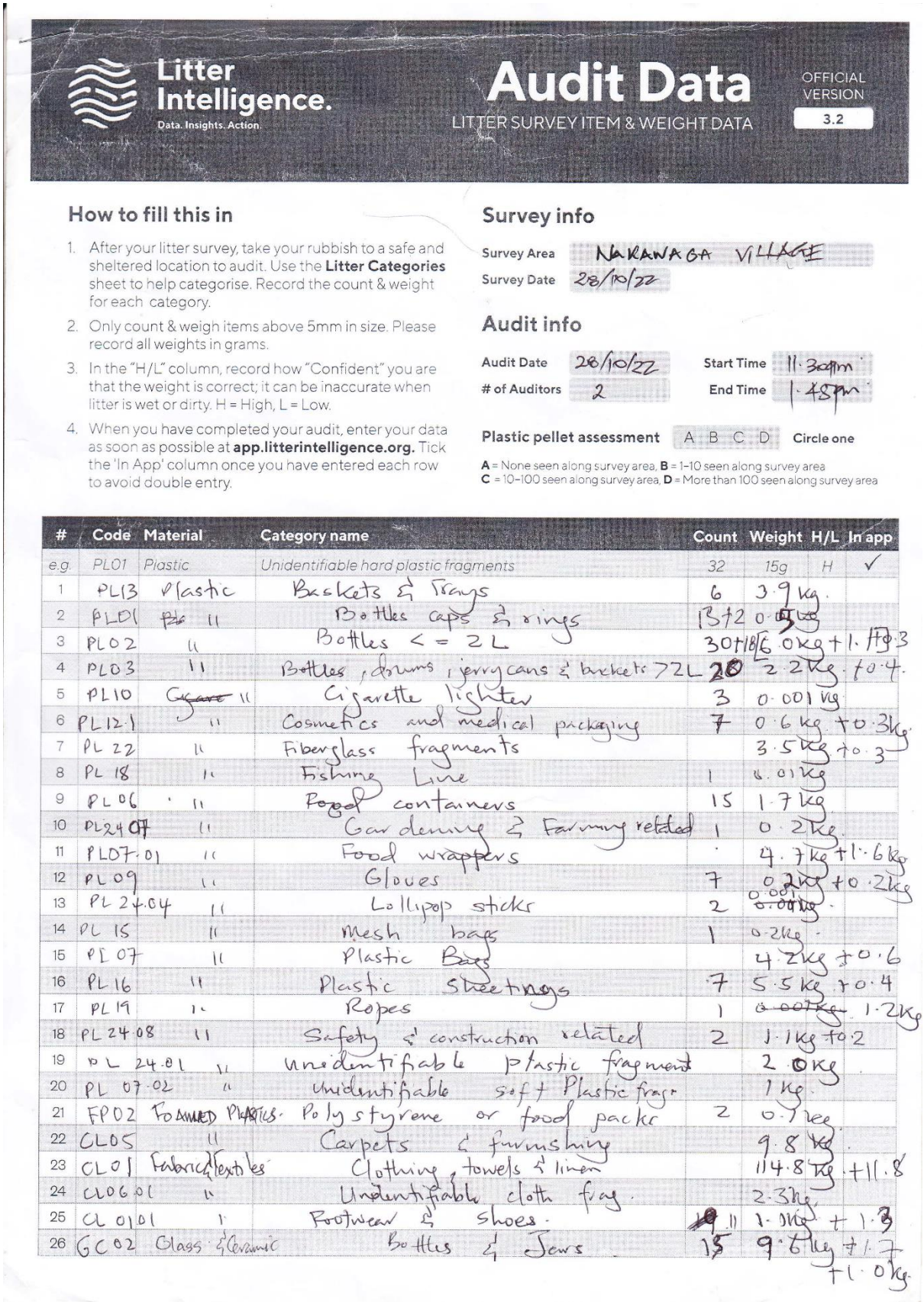
Appendix 2 – Waste collection form



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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
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Survey info

Survey Area: NAKAWAGA VILLAGE

Survey Date: 28/10/22

Audit info

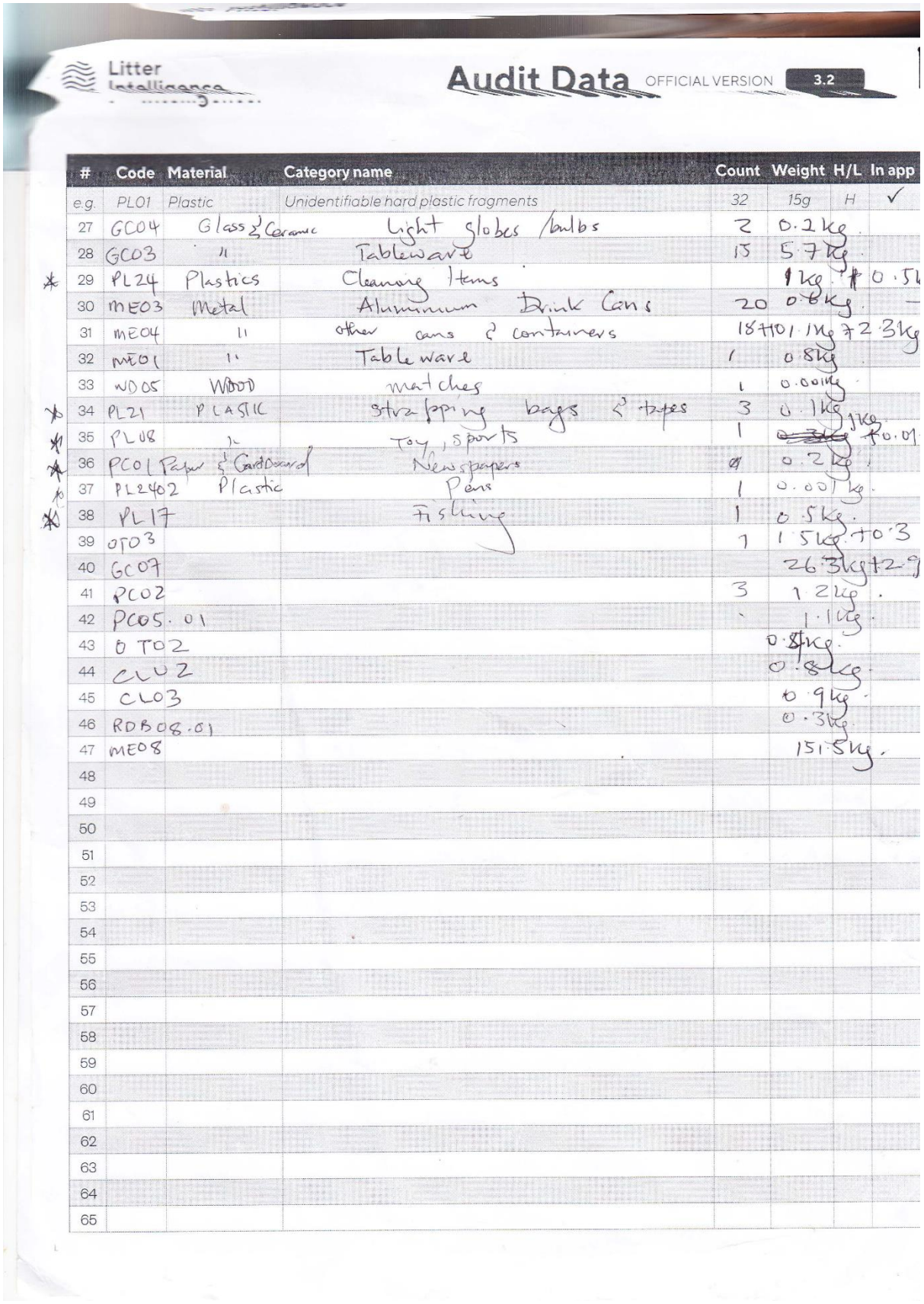
Audit Date: 28/10/22 | Start Time: 11.30am

# of Auditors: 2 | End Time: 1.45pm

Plastic pellet assessment: A B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app ✓
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	
1	PL13	Plastic	Baskets & Trays	6	3.9kg		
2	PL01	〃	Bottles caps & rings	13+2	0.5kg		
3	PL02	〃	Bottles <= 2L	30+18+6	0kg+1.1+3		
4	PL03	〃	Bottles, drums, jerrycans & buckets >2L	20	2.2kg+0.4		
5	PL10	~~Cigare~~ 〃	Cigarette lighter	3	0.001kg		
6	PL12.1	〃	Cosmetics and medical packaging	7	0.6kg+0.3kg		
7	PL22	〃	Fiberglass fragments		3.5kg+0.3		
8	PL18	〃	Fishing Line	1	0.01kg		
9	PL06	〃	Food containers	15	1.7kg		
10	PL24.07	〃	Gardening & Farming related	1	0.2kg		
11	PL07.01	〃	Food wrappers		4.7kg+1.6kg		
12	PL09	〃	Gloves	7	0.2kg+0.2kg		
13	PL24.04	〃	Lollipop sticks	2	~~0.001kg~~ 0.001kg		
14	PL15	〃	Mesh bags	1	0.2kg		
15	PL07	〃	Plastic Bags		4.2kg+0.6		
16	PL16	〃	Plastic Sheetings	7	5.5kg+0.4		
17	PL19	〃	Ropes	1	~~0.001kg~~ 1.2kg		
18	PL24.08	〃	Safety & construction related	2	1.1kg+0.2		
19	PL24.01	〃	Unidentifiable plastic fragment		2.0kg		
20	PL07.02	〃	Unidentifiable soft Plastic frags		1kg		
21	FP02	FOAMED PLASTICS	Polystyrene or food packs	2	0.7kg		
22	CL05	〃	Carpets & furnishing		9.8kg		
23	CL01	Fabric/Textiles	Clothing, towels & linen		114.8kg+11.8		
24	CL06.01	〃	Unidentifiable cloth frag.		2.3kg		
25	CL01.01	〃	Footwear & shoes.	~~19~~ 11	1.1kg+1.3		
26	GC02	Glass & Ceramic	Bottles & Jars	15	9.6kg+1.7 +1.0kg		



Litter Intelligence

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	GC04	Glass & Ceramic	Light globes /bulbs	2	0.2kg		
28	GC03	"	Tableware	15	5.7kg		
* 29	PL24	Plastics	Cleaning Items		1kg	*	0.5
30	ME03	Metal	Aluminium Drink Cans	20	0.8kg		
31	ME04	"	other cans & containers	18+101	1kg		2.3kg
32	ME01	"	Tableware	1	0.8kg		
33	WD05	WOOD	matches	1	0.001kg		
* 34	PL21	PLASTIC	strapping bags & tapes	3	0.1kg		
* 35	PL08	"	Toy, sports	1	~~3kg~~ 1kg		0.01
* 36	PC01	Paper & Cardboard	Newspapers	4	0.2kg		
* 37	PL2402	Plastic	Pens	1	0.001kg		
* 38	PL17		Fishing	1	0.5kg		
39	OT03			1	1.5kg		0.3
40	GC07				26.3kg		2.9
41	PC02			3	1.2kg		
42	PC05.01				1.1kg		
43	OT02				0.8kg		
44	CL02				0.8kg		
45	CL03				0.9kg		
46	RD508.01				0.3kg		
47	ME08				151.5kg		
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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

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3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: LIGHTHOUSE SHORES

Survey Date: 28/10/22

Audit info

Audit Date: 28/10/22

# of Auditors: 2

Start Time: 11:30am

End Time: 12:45pm

Plastic pellet assessment: A B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01	PLASTIC	Bottle caps and lids	5	½kg		
2	PL10	~~CIGARETTE~~ PLASTIC L	CIGARETTE LIGHTERS	1	0.01kg		
3	PL20	~~Fishing~~ Plastic fret	FISHING NET	2	200g		
4	PL06	~~Food con~~ ✓✓	Food containers	5	50g		
5	PL24.02	~~Pens~~ ✓ ~~/Station~~	Pens /stationary	2	0.5g		
6	PL07	✓✓	Plastic bags	40	3kg		
7	PL04	✓✓	Plastic utensils	2	0.5g		
8	PL24.08	✓✓	Safety and construction related	2	1000g		
9	PL24.01	✓✓	Unidentified hard plastic fragments	3	500g		
10	PL07.02	✓✓	Unidentifiable soft plastic fragments	7	200g		
11	FP03	FOAM PLASTIC	FOAM BUOYS	1	5g		
12	CL03	FABRIC & TEX	CANVAS, SAILCLOTH & SACKING	2	1.2kg		
13	CL05	✓✓	CARPET & furnishing	5mats	3kg		
14	CL01	✓✓	clothing, towels and linen	32	30kg		
15	CL01.01	✓✓	Footwear and shoes	6	3kg		
16	CL04	✓✓	Rope, line or string	1	1g		
17	CL06	✓✓	Other cloth	3	4kg		
18	CL06.01	✓✓	Unidentifiable cloth fragments	4	2kg		
19	GC02	Glass & Ceramic	Bottles and jars	11	10kg		
20	GC01	✓✓	Construction material	6	5kg		
21	GC04	✓✓	Light globes / bulbs	1	1g		
22	GC03	✓✓	Tableware	12	8kg		
23	ME03	Metal	Aluminium drink cans	84	2kg		
24	ME02	✓✓	Bottle caps, lids	1	2g		
25	ME06	~~Foil~~ ✓ ~~wrapp~~	Foil wrappers	3	1g		
26	ME04	✓✓	Other cans and containers	1	0.1g		

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Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	ME10.01	METAL	sharps needles lancets	1	0.2g		
28	PC 03	Paper & cardboard	Cups food trays and wrappers	5	0.15g		
29	RB 03	Gloves Rubber	Gloves	100	0.25g		
30	RB05	✓✓	Inner tubes and mobile shelf	1	0.10g		
31	RB02	✓✓	Rubber footwear	3	1 Kg		
32	WD02	WOOD	Fishing traps & pots	2	2kg		
33	OT04	OTHER	Batteries	4	0.05g		
34	OT02.05	✓✓	Personal care items	1	0.25g		
35	OT02	✓✓	Sanitary items	20	5Kg.		
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How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: VESI VILLAGE

Survey Date: 28/10/22

Audit info

Audit Date: 28/10/22 | Start Time: 10:40 am

# of Auditors: 2 | End Time: 12:40

Plastic pellet assessment A B C D Circle one

A = None seen along survey area, **B** = 1-10 seen along survey area
C = 10-100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01	Plastic	Bottle caps and lids	17	60kg	✓	✓
2	PL03	Plastic	Bottles	68	25kg		
3	PL06	Plastic	Food container lids	47	1.1kg	✓	✓
4	PL20	Plastic	Fishing net	1	1kg		
5	PL07	Plastic	Plastic bags	Bag 90	2.6kg	✓	✓
6	PL24.01	Plastic	Unidentified hard plastic fragments	3	1.00kg		✓
7	PL02	Plastic	Bottles <2L	10	0.00kg	✓	✓
8	PL09	~~Gloves~~ Plastic	Gloves	6	1.8	✓	✓
9	~~PL07~~	~~plastic~~	~~Plastic bags~~				
10	PL19	Plastic	Rope	6	4.2	✓	✓
11	PL24.08	Plastic	Safety & construction related	5	10.5		✓
12	PL08	Plastic	Toys, sport & recreation (plastic)	13	11.00	✓	✓
13	PL24.01	Plastic	Unidentifiable hard plastic fragments	20	9.00	✓	
14	FP04	Foamed Plastic	Polystyrene insulation or packaging	15	8.00	✓	✓
15	CL02	Fabric & Textile	Backpacks & bags	16	45		
16	CL03	Fabric & Text	Canvas, sailcloth & sacking	20	5.0	✓	✓
17	CL05	~~Carpet & Furn~~ Fabric & Text	Carpet and furnishing	3	6.7	✓	✓
18	CL01	Fabric & Text	Clothing, towels and linens	30	110.00	✓	
19	CL01.01	Fabric & Text	Footwear and shoes	18	117.00	✓	✓
20	GC02	Glass and Cer	Bottles & jars	22	2.6	✓	
21	GC07	Glass & Cer	Glass or ceramic fragments	78	1.5	✓	✓
22	ME03	Metal	Aluminium drink cans	6	2.0		✓
23	ME09	Metal	Construction material	11	11.050		
24	ME05	Metal	Glass bottles, drums & buckets (>4l)	Bags 2	20.00	✓	✓
25	ME04	Metal	Other cans & containers (<4l)	Bags 17	15.00	✓	
26	PC01	Paper & Cardboard	Paper, newspapers & paper receipts	4	1.00kg	✓	

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	~~RB08.03~~	~~Construc/Aut~~					
28	RB08.03	Rubber	Construction & Automotive	5	10.00		
29	RB02	Rubber	Rubber footwear	6	2.5		
30	WD06	Wood	Other wood	2	120.00		
31	OT04	Batteries(household)	Others	1	1.5		
32	OT05	Others	Coconut shells, old fridge	571	~~200kg~~		
33	PC02		Cardboard, Papers	8	5.1		
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP)*, THE *PACIFIC OCEAN LITTER PROJECT (POLP)*, *THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

CAGIMAIWAI WOMEN'S CLUB

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Community Centred Conservation

Project Manager (and contact details):

Name: Opeti Balenaisa Vateitei

Email: opetivateitei@gmail.com

Phone: +679 9488807

Organisation Description and History:

The women's club was formed in 2020 with the idea that collective is better, stronger and efficient following the itaukei way of living in working together as a group or 'solesolevaki' and currently has 29 members.
The main purpose of the women's group was to work within their capacity to support development work in the village. Development in all aspects of community living whether it be social, cultural, physical, mental, spiritual and economical.
The women have a role to play in their respective families and together as a group, they explore and come up with ways which can assist them to improve on these roles.
The women have fishing as their main source of income and handicraft making as a secondary source. Fridays and Saturdays of every week are usually spent on travelling to Labasa for selling at the local municipal market.
The Women's group function through meetings and collectively discuss on how to function as a group in conducting activities to fulfil its roles in the community.
The group also play a role in village governance with a representative sitting in the village committee which manages the affairs of the village.
The group are also part of the Kavewa Village Council which oversees development in the village and links up to the Nadogo District Council and the Nadogo Development Committee. It is in these meetings that women each or collectively as a group raise their concerns in terms of development.
The Cagimaiwai Women's Club currently has a GEF-SGP funded project titled, "Kavewa Clean Cooking Energy Project" which is currently on it's second disbursement of funds. The project involves the installation of Home Biogas Systems in all of the 24 households.

ABOUT THE CLEAN-UP DAY Overall information

Description of the activity:

The project manager, a representative from the Audio Visual Partner, Matata Productions and the Macuata Field Project Officer from the WWF-Pacific travelled early in the morning from Labasa to the Vunivasa Landing where a fibreglass boat from the island of Kavewa picked them and transported them to the island. The team were also taking the 50 printed t-shirts for the activity.

The group arrived at Kavewa Island and had breakfast in the village while waiting for the tide to go out. The members of the Kavewa Women's Club were already assembled in the village hall with the support from the youths and men of the village.

The activity started at 9:50am with the villagers making the first sweep halfway along the coast adjacent to the village. The villagers started from one end of the beach, standing in a line with their sacks and moved in an orderly manner picking rubbish along the way. They stopped halfway through and took the collected rubbish to an open area close to the village

hall where tarpaulins were placed. The sacks of rubbish were emptied on the tarpaulins and a few selected women were tasked with the sorting of the rubbish. The rest of the villages returned to the beach and continued with the collection of rubbish along the coast.

The collecting group completed the second portion of the beach before moving onto the mangroves. All the rubbish collected were brought to the audit base.

The villages decided to have lunch at 12:25pm before continuing with the outskirts of the village boundary. All the villagers came together to the village hall for lunch. An hour was spent for having lunch and a little bit of rest.

The group started again at 1:30pm with the collection team sweeping the outskirts of the village boundary and the auditing team sorting the collected rubbish. This continued until 2:45pm.

After sorting all the rubbish, the sorting group started with the auditing process. The rubbish which was already audited were put back in sacks in their sorted groups for transportation to the mainland. The auditing work was completed at 4:30pm. All the audited rubbish in sacks were loaded in two fibreglass boats.

Upon completing, the villages got together, debriefed, have an ending prayer before the team from Labasa departed at 5:20pm with the waste.

The villages enjoyed the activity and were quite surprised with the amount and variety of rubbish that were collected. The women's club have decided this to be an activity which they will frequently do for the protection of the environment. They also discussed ways of having rubbish collection points on the different household waste around the village.

A three tonne truck was waiting for the group at the Vunivasa Landing where team loaded all the sacks of rubbish and transported it to the Labasa Landfill.

Location of the clean-up activity:

1. Kavewa Village

Length: 613m
Width: 20m
Area: 12,260m sq.
Number of Participants: 63 [Female - 44/ Male – 19]

Timetable: 25th October 2022: 9:50am – 5:20pm.

Number of participants: (Registration form in Appendix 1)

1.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	118.704kg	580
Foamed Plastic	2.16kg	79
Fabric & Textiles	207.5kg	56
Glass & Ceramic	76kg	
Metal	25.5kg	483
Paper & Cardboard	3.92kg	
Wood	0.615kg	1
Other	16.34kg	251
TOTAL	**450.739kg**	**1,450**

Waste Collection Form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: KAWEWA ISLAND.
Survey Date: 25/10/22

Audit info

Audit Date: 25/10/22
# of Auditors: 8
Start Time: 2.45PM.
End Time: 4.30PM.

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL 01	PLASTIC	BOTTLE CAPS + LIDS.	93	280g		
2	PL 01.01	✓	BOTTLE NECK RINGS	102	4,480g		
3	PL 02	✓	BOTTLES ≤ 2L	145	7,200g		
4	PL 03	✓	BOTTLES > 2L.	24	2,400g		
5	PL 10	✓	CIGARETTE LIGHTERS.	14	200g		
6	PL 24.03	✓	CLOTHES PEGS.	1	2.00g		
7	PL 17	✓	FISHING GEAR.	1	2.00g		
8	PL 18	✓	PIECES OF FISHING LINE	10	100g		
9	PL 20	✓	PIECES OF FISHING NETS	15	1,800g		
10	PL 06	✓	FOOD CONTAINERS.	21	1,900g		
11	PL 07.01	✓	FOOD WRAPPERS	9	17,150g		
12	PL 16	✓	PLASTIC SHEETING		62,200g	L	
13	PL 19	✓	PIECES OF ROPE.	8	2,400g		
14	PL 08	✓	SPORTS + RECREATION MATERIALS.	21	1,000g		
15	PL 24.01	✓	% BURNT PLASTIC PART.		1g		
16	PL 24	✓	BRUSH - SCRUBBING, TOOTHBRUSH, ETC.	22	4,330g		
17	PL 24.02	✓	PVC + CONSTRUCTION RELATED MATERIALS.	94	13,300g		
18	FP 03	FOAMED PLASTIC	BUOYS.	3	320g		
19	FP 05	✓	TUBES.	76	1,200g		
20	FP 01	✓	FOAMS.		660g		
21	CL 01.01	FABRIC + FIBRE	FOOTWEAR.	56	12,000g	H	
22	CL 01	✓	CLOTHING.		195,500g	L	
23	GC 07	GLASS + CERAMIC	GLASS + CERAMIC FRAGMENTS.		76,000g		
24	ME 04	METAL	CANS + CONTAINERS ≤ 4L.	448	24,890g		
25	ME 03	✓	ALUMINIUM CANS	34	440g		
26	ME 09	✓	POTS.	1	180g		

Australian Government

KIOST
KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	PL 01	PAPER + CARDBOARD	PAPER, NEWSPAPER		3,920g	L	
28	WD 06	WOOD.	BOARD		615g		
29	OT 04	OTHER	BATTERIES (HOUSEHOLD)	247	23,000g		
30	OT 05.01	✓	✓ (NON-HOUSEHOLD)	1	11,000g		
31	OT 05.02	✓	BOAT PART [WOOD, SPARK PLUG]	3	5,040g		
32	OT 03	✓	BITS OF ELECTRICAL PARTS + WIRES.		300g		
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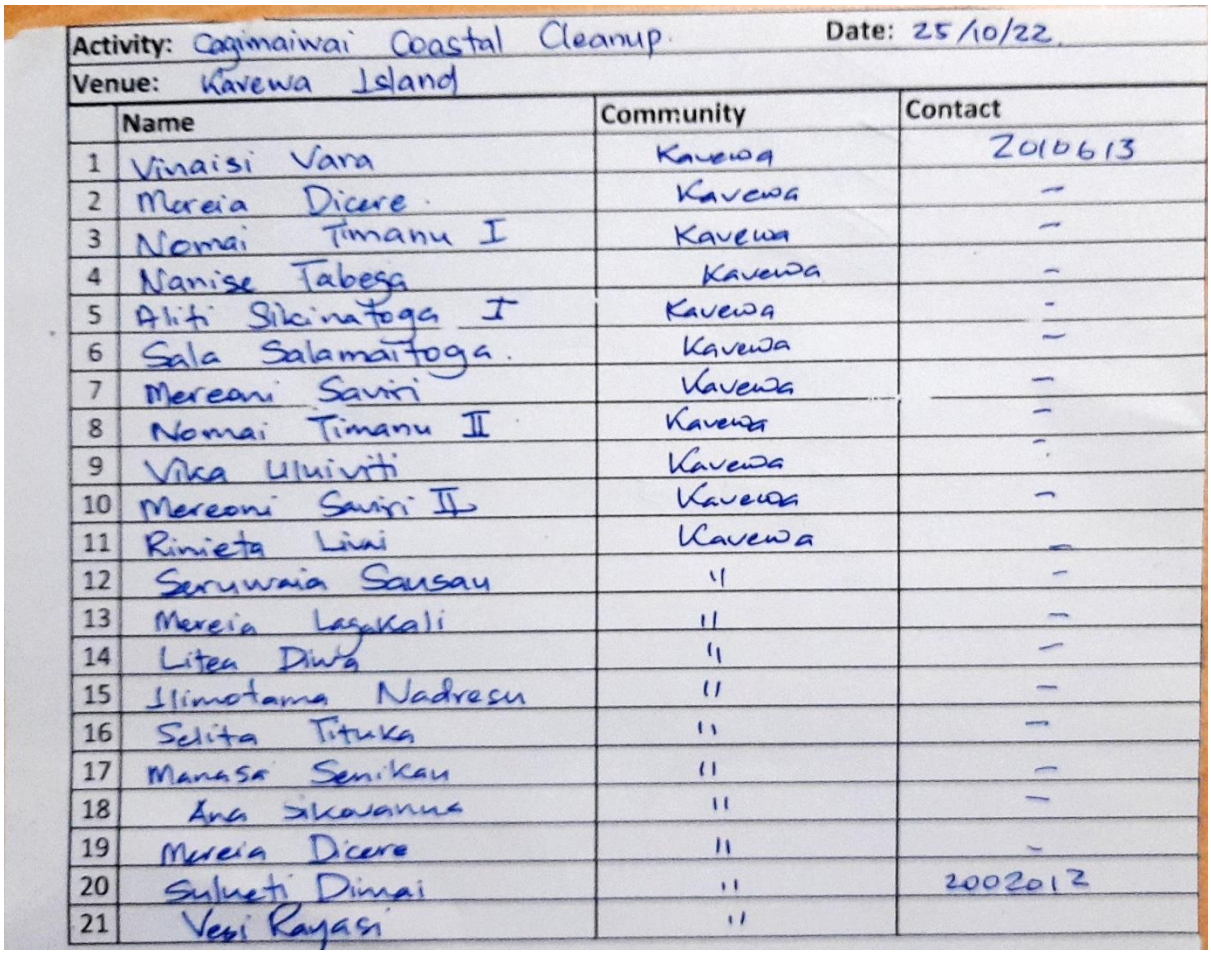
Photographic coverage of the event (Insert photos of the event and waste collected):

Appendix 1 – Registration form



Activity: Cagimaiwai Coastal Cleanup. Date: 25/10/22.

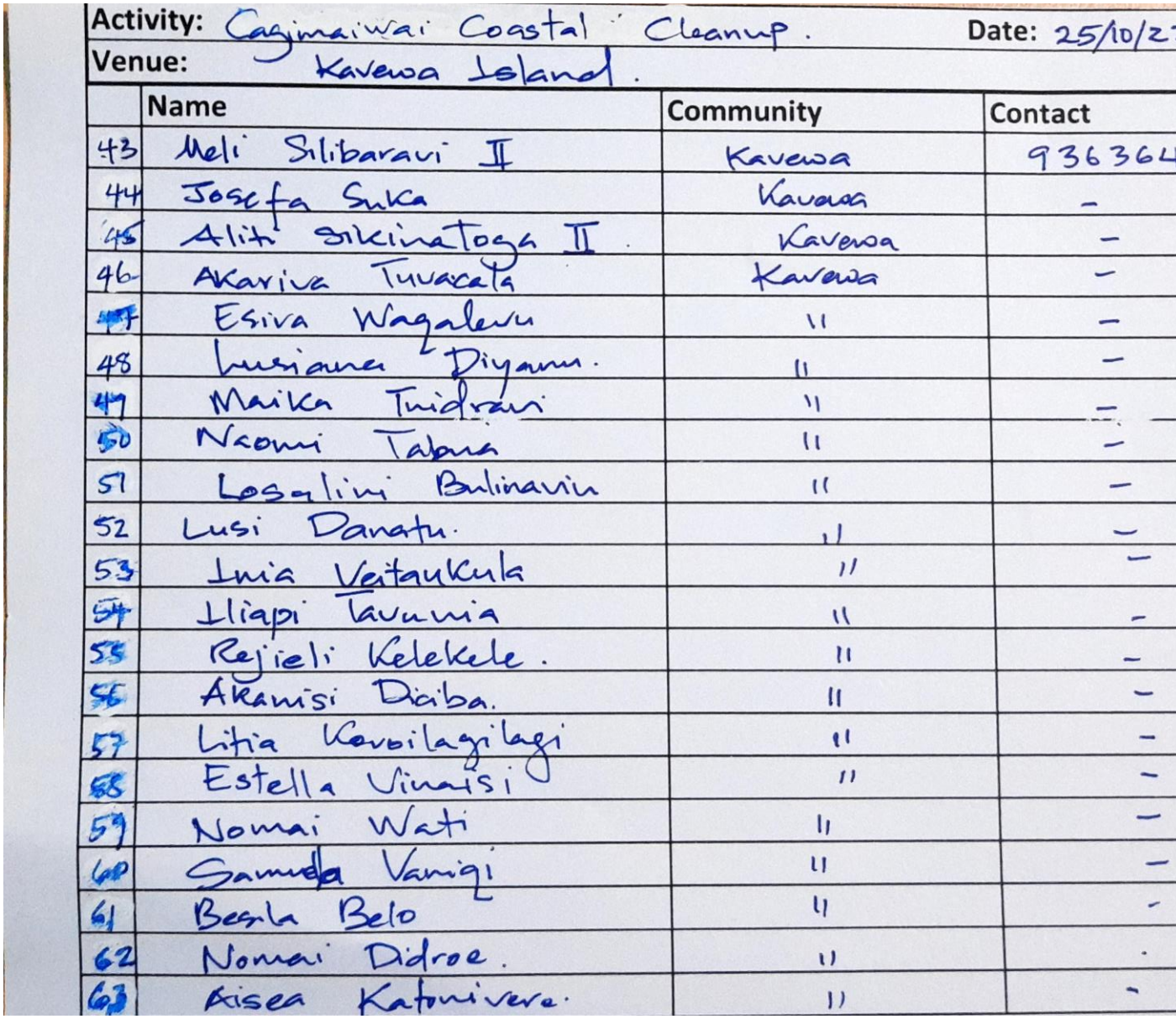
Venue: Kavewa Island

	Name	Community	Contact
1	Vinaisi Vara	Kavewa	2010613
2	Mereia Dicere	Kavewa	–
3	Nomai Timanu I	Kavewa	–
4	Nanise Tabesa	Kavewa	–
5	Aliti Sikinatoga I	Kavewa	–
6	Sala Salamaitoga.	Kavewa	–
7	Mereani Saviri	Kavewa	–
8	Nomai Timanu II	Kavewa	–
9	Vika Uluiviti	Kavewa	–
10	Mereoni Saviri II	Kavewa	–
11	Rinieta Livai	Kavewa	–
12	Seruwaia Sausau	"	–
13	Mereia Lagakali	"	–
14	Litea Diva	"	–
15	Ilimotama Nadresu	"	–
16	Selita Tituka	"	–
17	Manasa Senikau	"	–
18	Ana Sikovanua	"	–
19	Mereia Dicere	"	–
20	Suluveti Dimai	"	2002012
21	Vesi Rayasi	"	

Activity: Caginivai Coastal Cleanup Date: 25/10/22

Venue: Kavewa Island.

	Name	Community	Contact
22	Luisa Marama	Kavewa	-
23	Va Silibaravi	Kavewa	-
24	Sairusi Daga	"	9682682
25	Losena Dawai	"	-
26	Raikiva Wanua	"	
27	Aliki Orisi	"	
28	Ilisapeci Tuimoala	"	
29	Salome Taga	"	
30	Sanaila Dafiga	"	
31	Makereta Caginavilau	"	
32	Rukaliisi Diruna	"	
33	Litiana Takayawa	"	
34	Mosese Tuidraun	"	
35	Maika Tuidraun	"	
36	Losana Dumuloloku	"	
37	Maikali Taraki	"	
38	Jairali Lekasiga	"	
39	Paulini Smith	"	
40	Joseva Vosaiva	"	
41	Emosi Time	"	
42	Akanta Kaususu	"	



Activity: Cagimaiwai Coastal Cleanup. Date: 25/10/2

Venue: Kavewa Island.

	Name	Community	Contact
43	Meli Silibaravi II	Kavewa	936364
44	Josefa Suka	Kavewa	-
45	Aliti Silivatoga II	Kavewa	-
46	Akariva Tuvacala	Kavewa	-
47	Esiva Wagalevu	"	-
48	Luciana Diyanu.	"	-
49	Maika Tuidravi	"	-
50	Naomi Tabua	"	-
51	Losalini Bulinavia	"	-
52	Lusi Danatu.	"	-
53	Inia Veitaukula	"	-
54	Iliapi Tavunia	"	-
55	Rejieli Kelekele.	"	-
56	Akanisi Diaba.	"	-
57	Litia Kavoilagilagi	"	-
58	Estella Vinaisi	"	-
59	Nomai Wati	"	-
60	Samuela Vaniqi	"	-
61	Beala Belo	"	-
62	Nomai Didroe.	"	-
63	Aisea Katonivere.	"	-

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

COMMUNITY CENTRED CONSERVATION

OCTOBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Community Centred Conservation (C3) Fiji

Project Manager (and contact details):

Name: Asena Steiner

Email: asena@c3fiji.org

Phone: +679 9756021

Organisation Description and History:

C3 Fiji is a registered non-profit organization under Fijian law. The organization started as a collaborative programme between Community Centred Conservation (C3) and the University of the South Pacific in 2010 and was later registered as a local NGO in 2014. C3 Fiji is governed by a Board of Trustees, including a President, Vice President, Treasurer and Secretary.

The C3 Fiji office is based in Labasa town, Vanua Levu and deals with overall financial management, filing documents to government bodies, communicating with donors and partners and managing the implementing and reporting on field-based activities. The overall Management Team consists of the Finance and Administration Manager, Technical specialists (science and operations) and Programme Coordinator (liaison and coordination at the NGO level and regarding education and outreach) .

C3 Fiji has been a highly effective grassroots CSO in Macuata province since 2010, focusing on sustainable development through sustainable livelihood provision, advocacy and outreach on environmental matters including climate change, youth empowerment and leadership through its Reef Rangers programme and supporting creation and management of locally managed marine protected areas.

1.1. ABOUT THE CLEAN-UP DAY Overall information

Description of the activity:

The Community Centred Conservation (C3) Fiji, in its proposal submission proposed to conduct the clean-up activity in 5 communities. These were Korotubu, Naqumu, Niurua, Raviravi and Naividamu villages. The five communities are few of the communities who are custodians to the second Ramsar Site for Fiji which is the “Qoliqoli Cokovata of Macuata, Dreketi, Sasa and Mali” that sits along the Great Sea Reef.

The team at C3Fiji, due to its busy schedule in project implementation, planned to have the clean-up activity on Thursday 03/11/2022 with all the 5 communities simultaneously participating in the activity from their respective coastlines.

Five staff from the C3Fiji team travelled down to sleepover in the communities on Wednesday [02/11/2022]. A staff was responsible for each village with discussions and briefings happening on the night before the activity day.

The tide was out on the morning of the activity; hence the clean-up activity was conducted in the five (5) communities between 6am and 10:30am with a total of more than 75 participants.

In all the communities, C3Fiji staff distributed t-shirts [10 per village], hand gloves, empty sacks, garbage bags and sanitizers to equip them for the coastal clean-up activity.

The villagers who participated in the clean-up activity enjoyed and learnt a lot from the activity.

Mr. Jovesa Serunisiga, who was part of the group from Naividamu Village commented that it was a good activity and said that next time they would involve the whole village and also to clean up the outskirts of their village. Similar sentiments were made by villagers from the other communities.

One aspect which the villagers were amazed on was the number of litter categories as they were only familiar with the broad categories of Paper,Tin, Plastics, Glass and Wood. The litter categories allowed them to identify the main sources of litter from within their respective communities.

C3Fiji teamed up with Matata Productions [MP] to cover the Audio/Visual component of the activity. The team from the MP started off at Niurua Village, to Naqumu and then to Korotubu; taking photographs of the activity and making interviews with selected community members. They then travelled down to Naividamu to start with the litter auditing before travelling to Raviravi; and reverting back to Niurua, Naqumu and Korotubu for the same purpose.

The garbage collected from Naividamu, Raviravi and Niurua was taken to the Labasa Landfill in the same afternoon while those collected from Naqumu and Korotubu communities were transported on Friday morning.

Location of the clean-up activity:

1. **Korotubu Village**
   Length:300m
   Width: 20m
   Area: 6,000m sq.
   Number of Participants: 18 (9 M/9F)
2. **Naqumu Village**
   Length: 80m
   Width: 11m
   Area: 880m sq.
   Number of Participants: 15 (12 M/3 F)
3. **Niurua Village**
   Length: 40m
   Width: 14m
   Area: 560m sq.
   Number of Participants: 14 (5 M/9 F)
4. **Raviravi Village**
   Length: 16m
   Width: 333m
   Area: 5,328m sq.
   Number of Participants: 17 (14 M/3 F)
5. **Naividamu Village**

   Length: 13m

Width: 780m
Area: 10,140m sq.
Number of Participants: 10 (4 M/6 F)

Timetable: 3rd November 2022: 6am – 10:30am.

Number of participants: (Registration form in Appendix 1)

Site on arrival (add photos of the site):

Nagumu

Raviravi

Naividamu

Site after the clean-up (add photos of the site):

Naividamu

1.2. About the waste collected

1.2 About Waste Collected

Korotubu Village : Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	46,800g	57
Paper & Cardboard	6,200g	17
Fabric & Textiles	15,000g	29
Metal	33,000g	29
Glass & Ceramic	48,000g	27
Other	19,800g	3
TOTAL	**168,800g**	**162**

Naqumu Village : Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	65,910g	342
Foamed Plastic	250g	6
Paper & Cardboard	4,600g	22
Clothes & Textiles	41,200g	8
Glass & Ceramics	22,500g	24
Metal	65,000g	132
Rubber	3,400g	7
Wood	5,000g	4
Other	12,300g	21
TOTAL	**220,160g**	**566**

Niurua Village : Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	6,300g	93
Paper & Cardboard	1,500g	23
Fabric & Textiles	33,000g	35
Foamed Plastic	50g	7
Metal	800g	3
Other	1,800g	30
TOTAL	**43,450g**	**191**

Raviravi Village : Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	13,900g	87
Fabric & Textiles	27,800g	41
Glass & Ceramics	3,600g	8
Metal	18,600g	120
Rubber	1,000g	3
Wood	9,000g	10
Other	41,400g	70
TOTAL	**115,300g**	**339**

Naividamu Village : Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic	2,200g	150
Fabric & Textiles	5,600g	18
Glass & Ceramics	3,900g	
Metal	2,800g	10
Rubber	3,600g	2
Other	5,600g	49
TOTAL	**23,700g**	**229**

Photographic coverage of the event (Insert photos of the event and waste collected):

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Appendix 1 – Registration form

Community Centred Conservation (C3) Fiji Attendance List

Activity: Coastal Clean Up Activity
Date: 03/11/22
Venue: Nuna

	Name	Community	Contact	Gender	Signature
1	Mereoni Dio			F	MDio
2	Senileba Matanisiga			F	SMatanisiga
3	Ana Funaki			F	AFunaki
4	Viniana Yauva			F	VYauva
5	Keralaini Lewakulati			F	Keralaini
6	Mereani Dikoso			F	[illegible]
7	Jotivini Salavatu			F	Salavatu
8	Adi Seruwuli Mauovo			F	[illegible]
9	Apenisa ~~Qeleave~~ Qeleave			F	[illegible]
10	Akariva Wasenuku	~~Ahua Serukeu~~		M	[illegible]
11	Lepani Vurayawa			M	Ahuosenuku
12	Eroni Jako			M	[illegible]
13	Taniela Ratawa			M	[illegible]
14	Selai Vagarau			F	Vagarau
15					
16					
17					
18					
19					
20					
21					

M - 5
F - 9
14

Community Centred Conservation (C3) Fiji Attendance List

Activity: International Coastal Clean up Day **Date:** 03/09/22

Venue: Raviravi village

	Name	Community	Gender	Contact	Signature
1	ulavilo kalara	Raviravi	F	2104857	Kalara.
2	Inia Togadau	Raviravi	M	9914759	
3	Inia BASAGA	Raviravi	M	9914759	
4	Jone Ravouvou	Raviravi	M	2023392	
5	Rupeni Cagimaiwai	Raviravi	M	9587395	
6	PENI MATADRAU	Ravi Ravi	M	8499181	
7	Emosi Qaumila	Raviravi	M	9587395	
8	VILIAME RARAVITU	Ravi Ravi	M	—	Ravaitu.
9	Robert George	Raviravi	M	—	
10	Sairusi Qiotabarau	Raviravi	M	9248346	
11	IEKE FISHER	Raviravi	M	8812449	
12	Mosese Cagimaiwai	Raviravi	M	2023392	
13	Viliame Magicola	Raviravi	M	9920491	
14	ARIETA VAKI	Raviravi	F	2004957	
15	Jiliane Magicola	Raviravi	M	8070946	
16	Anasimeci Rabusa	Raviravi	F	2146561	Rabusa
17	Mosese Rokotuibau	Raviravi	M	2146561	Rokotuibau
18					
19					
20		M-14			
21		F-3			

Community Centred Conservation (C3) Fiji Attendance List

Activity: International Coastal Clean Up Day **Date:** 03/11/22
Venue: NAIVIDAMU VILLAGE

	Name	Community	Gender	Contact	Signature
22	Mereoni – Lice	NAIVIDAMU	F		Mlice
23	Adi Saiunimili Moiovo	NAIVIDAMU	F		Moiovo
24	Vikaili Matanisiga	NAIVIDAMU	F	8307228 / 7384441	Matanisiga
25	Amelia Yalani Tugere	Naividamu	F	2495884	Yalani
26	Lemeki Veiba	Naividamu	M	~~4580419~~ 8040742	Veiba
27	Jodi Vakarau	Naividamu	M	9044862	Vakarau
28	Petero Vinaka	Naividamu	M		
29	Joveci Sokanasiga	–	M	731 0456	Joveci
30	Naruse Ratawa	✓	F	7572204	Ratawa
31	Nivesta Banaconoco	✓	F	—	Banaconoco
32					
33					
34					
35					
36					
37					
38					
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40					
41					
42					

M – 4
F – 6
10

Australian Government

KIOST KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY

Community Centred Conservation (C3) Fiji Attendance List

Activity: International Coastal Clean Up Day **Date:** 03/ /22

Venue: Korotubu Village

	Name	Community	Gender	Contact	Signature	
22	Esavoni. Sivivatu	Korotubu	M	9518599	[signature]	1
23	Emori Tudia	✓	M	2533027	[signature]	2
24	Ferefi Naman.	✓	M	9518599	[signature]	3
25	Samuela Vuetibau.	✓	M	—	[signature]	4
26	Asenaca Tuneivanua	✓	F	9035678	[signature]	5
27	Silina Disogo	✓	F	8413934	[signature]	6
28	Seini Pogivikoviko	✓	F	8753022	[signature]	7
29	Allan Tuilomaloma.	✓	M	2745585	[signature]	8
30	Penaia Rabe	✓	M		[signature]	9
31	Mitieli Cunuwale	✓	M	8726982.	[signature]	10
32	SEINIMILI. YALEWAVATU.	✓	F	9654127	[signature]	11
33	NACANIELI. TAVUSARA	✓	M	8667442	[signature]	12
34	MAGU NAMOA	✓	M	9203379	[signature]	13
35	Temalesi Naikame	✓	F	8712099	Naikame.	14
36	Tarusila Tagibau	✓	F		[signature]	15
37	Nomai. Rovea	✓	F	9654127	[signature]	16
38	Seini. Dimo	✓	F		Dimo	17
39	Amelia. Conulaca	✓	F		[signature]	18
40						
41						
42						

Total
M - 9
F - 9
18

Community Centred Conservation (C3) Fiji Attendance List

Activity: International Coastal Clean-up **Date:** 3/11/22

Venue: Nagumu

	Name	Community		Contact	Signature
1	SAIRUSI TUWOT	Nagumu	M	—	40
2	MALAKAI NADOLO	✓	M	—	40
3	ISEMELI MAFI	✓	M		
4	Asinate Biubiu	✓	F	9617785	40
5	Josaia Qoriniyakalaei	✓	M	✓	KB 38
6	Navitalai Tuivabe	✓	M	✓	47
7	ISAMELI MAFI	✓	M	9520677	23
8	LEPANI DAUKI	✓	M	8669618	41
9	Semi Nakadi	✓	M		43
10	Taraivini Marama	✓	F	8648 3472	52
11	Manoa Tuinaga	✓	M	2012723	Marama 61
12	Viliame Vakaseto		M	—	59
13	Repate Bobby	✓	M	—	24
14	Keresi Koroi	✓	F	-	57
15	NEMANI KARAWA	✓	M	✓	50 P. KARAWA 65
16					
17					
18					
19					
20					
21					

M – 12
F – 3
15

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY, ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: KORTUBA VILLAGE COAST

Survey Date: 03/4/22

Audit info

Audit Date: 03/4/22

f Auditors: 6

Start Time: 4.45pm

End Time: 5.30pm.

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL02	Plastic	plastic bottles 1 = 2l	20	10,800g	H	
2	PL03	"	" " > 2l	11	11,200g	H	
3	PL06	"	Food Container, Fast food	8	7,200g	H	
4	PL24.11	"	Retail packet		3,600g	H	
5	PL07.01	"	Candies, lolly wrappers		3000g	H	
6	PL24.08	"	PVC	2	1600g	H	
7	PL08	"	Rugby ball	1	1400g	H	
8	PL16	"	Sacks	7	3400g	H	
9	PL01	"	bottle cap		400g	H	
10	PC01	paper					
11		&	paper & magazines		1600g	H	
12		Cardboard					
13							
14	PC02	"	Cardboar boxes	10	2800g	H	
15	PC03.01	"	milk packet	7	1800g	H	
16							
17	PL07	Plastic	Plastic bags	8	7800g	H	
18							
19	ME04	Metal	Tins	20	29,200g	H	
20							
21	GC07	Glass &	glass & ceremic fragment	10	24,400	H	
22		Ceramic					
23	GC02	"	Bottles & jars	7	15,200	H	
24	GC06.01	"	Rags	10	8,400	L	
25							
26	CLD1.01	Fabric & textile	shoes	20	7800	H	

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	OT05	other	Rapping iron	3	4000g	H	
28	OT02	"	Diaper		15,800	L	
29							
30	ME08	Metal	Unidentifiable metal fragments	6	1400	H	
31	ME10	"	Umbrella	3	2400g	H	
32							
33							
34	CL03	Fabric	Sock	6	3400	L	
35		&					
36		Textiles					
37							
38	CL05	"	Carpet	3	3400	H	
39							
40	CL04	"	face mask		400g	H	
41							
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Litter Intelligence.
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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Niurua Coastal Area
Survey Date: 03/11/22

Audit info

Audit Date: 3/11/22
# of Auditors: 4
Start Time: 7am
End Time: 8.50am

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL07.1	Plastic	Food Wrappers	10	1600g	L	
2	PL 16	"	Plastic Sheeting	66	2000g	L	
3	PL 02	"	Bottles <= 2 l	6	1400g	L	
4	PL 03	"	Bottles >2l	3	700g	L	
5	PL10	"	Cigarette lighter	12	100g	L	
6	PL19	"	Rope	1	500g	L	
7	PL24.04	"	Lolly pop stick	5	20g	H	
8	PC 01	Paper & cardboard	Paper, Newspaper & paper receipts	7	500g	L	
9	PC 03.01	Carton	Carton, flavored milk; juice (Tetrapak)	16	1000g	L	
10	CL 03	Fabric, textiles	Canvas, sailcloth & sacking	9	6400g	L	
11	CL01	"	Clothing towel & linen	24	24,400g	L	
12	CL01.01	gumboot	foot ware & shoes	1	2800g	L	
13	FP02	foamed Plastic	polysterene cups or food packs	7	50g	L	
14	ST 02	Other	sanitary items (diapers & tissue)	30	18000g	L	
15	ME 04	Metal	other Cans & Containers (<= 4 l)	3	800g	L	
16					59,370g		
17					59.37 kg		
18							
19							
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26							

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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: NAIVOAMU VILLAGE COAST

Survey Date: 03/11/22

Audit info

Audit Date: 03/11/22

Start Time: 12.20 PM

# of Auditors: 5

End Time: 1.15 PM.

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL 01	PLASTIC	BOTTLE CAPS AND LIDS	3		H	
2	PL01.02	✓	BOTTLE SEALS AND TABS	10	120g	H	
3	PL 02	✓	BOTTLES ≤ 2L	16	2300g	H	
4	PL 03	✓	BOTTLES > 2L	3	50g	H	
5	PL 07.01	✓	FOOD WRAPPERS.	43	800g	H	
6	PL 07	✓	PLASTIC BAGS	65	540g	H	
7	PL 16	✓	TARPOLINS		1,000g	H.	
8	PL 19	✓	PIECES OF ROPE	6	300g	H.	
9	PL 20	✓	FISHING NETS		600g	H	
10	PL 18	✓	PIECES OF FISHING LINE		1,800g	H.	
11	PL 17	✓	CRAB TRAP.	1	2,400g	H.	
12	PL 06	✓	20l GALLON	1	1,800g	H.	
13	PL 07.02	✓	PLASTIC WRAPPER.	2	400g	H.	
14	PL 08	✓	RUBBER BALL (OLD)	1	1400g	H.	
15	FP 05	FOAMED PLASTIC	PACKAGING	3	1200g	H.	
16	FP 01	✓	SPONGE MATTRESS	1	1,400	H	
17	FP 05.01	✓	UNIDENTIFIED FOAMED PLASTIC FRAGMENTS		3400g	H.	
18	CL 03	FABRIC + TEXTILE	CANVAS SACKING	11	3,900g	H.	
19	CL 06.01	✓	RAGS		4400g	L	
20	CL 02	✓	BAGS / SHOPPING BAGS		3300g	H.	
21	CL 01.01	✓	FOOTWEAR / SHOES	7	1,300g	H	
22	GC 07	GLASS + CERAMIC	GLASS + CERAMIC FRAGMENTS	65	5,400g	H.	
23	ME 03	METAL	ALUMINIUM DRINK CANS	4	300g	H.	
24	ME 04	✓	BOTTLE CAPS + LIDS	3	400g	H.	
25	ME 06	✓	FOIL WRAPPERS		1,400g	H.	
26	ME 10.02	✓	METAL VEHICLE PART	3	1,700g	H.	

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Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	PC 02	PAPER & CARDBOARD	CARDBOARD [illegible] PIECES		1,300g	H	
28	RB 05	RUBBER	INNER TUBES	2	3,600g	H	
29	OT 04	OTHER	BATTERIES [HOUSEHOLD]	49	5,200g	H	
30	OT 02	✓	NAPPIES		400g	H	
31							
32							
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34							
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Litter Intelligence.
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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Ravirovi Village
Survey Date: 03/11/22

Audit info

Audit Date: 03/11/22
# of Auditors: 5
Start Time: 6:30am
End Time: 7:40am

Plastic pellet assessment: A B (C) D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
(C) = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01	Plastic	Bottles caps and lids	12	800g	H	
2	PL02	Plastic	Bottles L = 2L	18	1800g	H	
3	PL03	Plastic	Bottles, drums, jerry cans and buckets >2L	15	4600g	H	
4	PL20	Plastic	Fishing net	2	26000g	H	
5	PL16	Plastic	Plastic sheeting	15	3800g	L	
6	PL07	Plastic	Plastic Bag	25	300g	L	
7							
8	CL03	Fabric/textile	Canvas, sailcloth and sacking (hessian)	16	10000g	L	
9	CL05	Fabric/textile	Carpet and furnishing	7	400g	H	
10	CL01	Fabric/textile	Clothing, towels and linen	18	17400g	L	
11							
12	GC08	Glass/ceramics	Other glasses and ceramics		11400g	L	
13	GC03	Glass/ceramics	Plates and cups P-4, C-4	8	2200g	L	
14							
15	ME03	Metal	Aluminum drink cans	5	5000g	H	
16	ME02	Metal	Bottle caps, lids and pull tabs	7	300g	L	
17	ME09	Metal	Construction material	5	3600g	H	
18	ME04	Metal	Other cans and containers (L = 4L)	103	14200g	L	
19							
20	RB02	Rubber	Rubber footwear	2	400g	H	
21	RB04	Rubber	Tyre pieces	1	600g	H	
22							
23	WD04	Wood	processed timber and pallets crates	4	3000g	L	
24	WD03	Wood	wooden utensils	6	6000g	H	
25							
26							

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	OT04	Other	Batteries (household)	4	600g	H	
28	OT03	Other	Appliances and Electronics	4	8800g	H	
29	OT05.02	Other	Boat parts	2	2000g	L	
30	OT02	Other	Sanitary items packs 10 diapers 50	60	30000g	L	
31							
32							
33							
34							
35							
36							
37							
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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct, it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: NAQUMU

Survey Date: 03/11/22

Audit info

Audit Date: 03/11/22

Start Time: 08am

# of Auditors: 4.

End Time: 12:58 pm

Plastic pellet assessment: (A) B (C) D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL 13	Plastic	Baskets, crates & Trays.	5	4000g	H	
2	PL 01	Plastic	Bottle caps & Lids	10	2g	H.	
3	PL 01.02	Plastic	Bottle seals & Tabs	29	3000g	H	
4	PL 02	"	Bottles < = 2L	68	6000g	H.	
5	PL 03	"	Bottles, drums, jerrycans & buckets > 2L	11	3000g	H.	
6	PL 24.06	"	Cable ties & zip ties	1	1g	L	
7	PL 10	"	Cigarettle lighter.	1	4g	L.	
8	PL 12.1	"	Cosmetics & medical packaging	30	3000g	H	
9	PL 06	"	Food Containers	44	5000g	H	
10	PL 07.01	"	Food Wrappers		10000g	H.	
11	PL 09	"	Gloves	14	2000g	L	
12	PL 15	"	Mesh bags	3	1000g	L	
13	PL 24.02	"	Pens & Stationery	1	3g	L	
14	PL 07	"	Plastic Bags.	40	5000g	H.	
15	PL 16	"	Plastic Sheeting	47	9000g	H	
16	PL 19	"	Rope	1	300g	H.	
17	PL 24.08	"	Safety & construction Related	4	1000g	H	
18	PL 08	"	Toys, sport & recreation	3	200g	H.	
19	PL 24.01	"	Unidentifiable hard plastic fragments	30	1,900g	H.	
20	PL 07.02	"	Unidentifiable soft Plastic fragments		2000g	H	
21	PL 24	"	Other Plastic - sanding brush		400g	H.	
22	FP03	Foamed Plastic	Foam buoys	1	100g	H	
23	FP07	Foamed Plastic	Polystyrene cups & food Packs	4	400g	L.	
24	FP0501	Foamed Plastic	Unidentifiable foamed plastic fragments	1	50g	H.	
25	CL02	Fabric & Textiles.	Backpacks & Bags	8	20000g	H.	
26	CL05	Fabric & Textiles	Carpets & Furnishing		7000g	H.	

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	CL01	clothes & Textiles	Clothing, towels & Linen.	x	2700g	L	
28	CL01.01	"	Footwear & Shoes	15	5000g	L	
29	CL06.01	"	Unidentifiable cloth fragments (cloth burnt pieces)		200g	H.	
30	GC02	Glass & Ceramics	Bottles & Jars	20	8000g	H.	
31	GC07	"	Glass or ceramic fragments		12000g	H.	
32	GC03	"	Table ware	4	2500g	H.	
33	ME03	Metal	Aluminium Drink cans	9	1000g	H	
34	ME05	"	Gas bottles, drums & buckets (>4L)	1	1800g	H	
35	ME04	"	other cans & containers (<=4L)	120	13000g	H	
36	ME01	"	Tableware	2	200g	H	
37	ME08	"	Unidentifiable metal fragments		49000g	H	
38	PC02	Paper & Cardboard	Cardboard boxes	12	2500g	L	
39	PC01	"	Paper, newspapers & paper receipts		1500g	L	
40	PC03.01	"	Tetrapaks	10	500g	H	
41	PC05.01	"	Unidentifiable paper & cardboard fragments		100g	L.	
42	RB03	Rubber	Gloves	1	100g	L.	
43	RB02	"	Rubber footwear	6	3300g	H.	
44	WD04	WOOD	Processed Timber & pallet crates	3	4900g	H.	
45	WD06	"	other wood (furniture)	1	100g	H.	
46	OT03	OTHER	Appliances & Electronics	1	100g	H	
47	OT04	"	Batteries	19	3100g	H	
48	OT02.05	OTHER	Personal Care Items	1	100g	H.	
49	OT02	"	Sanitary Items		9000g	H	
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International Coastal Clean-up Day 2022

In collaboration with the *Committing to Sustainable Waste Actions in the Pacific Project (SWAP),* the *Pacific Ocean Litter Project (POLP), the KIOST Pacific Ocean Acidification Programme*

and

Samoa Conservation Society

October 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Samoa Conservation Society

Project Manager (and contact details): Aloma Black (alomavblack@gmail.com)

Organisation Description and History: The Samoa Conservation Society (SCS) was formed in 2013 and is a membership-based non-governmental, environmental organisation dedicated to promoting the conservation of Samoa's biological diversity and natural heritage.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The clean-up day was a one-day event aimed at achieving the following goals; (1) to collect and audit litter found within' the Mulinu'u Peninsula; (2) to raise awareness on the eco and social impacts of littering; and (3) getting the community involved with addressing/ removing sea litter. Specific activities conducted on/for the day include:

1. Litter Collection:

    - Participants were divided into four main teams. Each team was given a distinct site to conduct a full sweep (i.e., collecting litter). Sweeps were conducted on both the land (walking) and in the sea (using Kayaks). Areas that were swept include; the side of the roads; on the rock armour seawall; within' recreational parks; and nearshore.
    - Two zones were selected prior to conducting the sweeps; zone 1 and zone 2. These zones were located on the nearshore side of the rock armour seawall. Each zone was approximately 3 metres x 300 metres in size. Trash that was collected from these zones were labelled and taken in for audit. Trash that was collected outside of the zone areas were weighed and arranged to be transported to the Tafaigata Landfill.

2. Litter Auditing.

    - Litter from zone 1 and zone 2 was sorted into nine categories based on its material type; (1) glass, (2) cardboard and paper, (3) rubber, (4) fabrics and textiles, (5) plastics, (6) foam plastics, (7) metals, (8) wood, (9) Other. Within these categories, participants were able to sub-sort litter based on its purpose or description. For example, plastic eating utensils vs. plastic bottles.
    - The Sub-sorted litter was weighed and recorded.
    - Litter that could be recycled locally was arranged to be transported to the Samoa Recycling and Waste Management Association (SRWMA).

3. Outreach activities/ Awareness-raising activities.

- Participants were informed on the impacts of littering, and the importance of removing litter from coastlines. Participants were also informed on the importance of conducting litter surveys.
- Prior to the cleanup day, information regarding the event was shared across all social media platforms. During the event, there were 'post-updates' made to social media.
- Activities of the day were filmed and will be compiled into a documentary for dissemination across all social media platforms for all partner organisations.
- Promotional materials: T/shirts
- Awarded Participation Certificates

Location of the clean-up activity: Mulinu'u Peninsula, Apia, Samoa.

Timetable: Program

Time	**Details**
08:00	Set up
08:45	Organising team briefing
09:00 – 09:30	Registration and morning tea
09:30 – 09:45	Group briefing
10:00 – 12:00	Clean-up activities along Mulinu'u coast, following team leaders. A drop off, supply restock, and refreshment station will be provided at the Head of State Tomb site. Rubbish bags collected intermittently and deposited at AYC for auditing
12:00	Head back to AYC with rubbish collected and begin audit Group photo with collected waste
12:30	Lunch served

Number of participants:

The following table summarises the number of individuals that participated in the event.

Table 1. Age Distribution of Participants.

Women (age 18+)	20
Men (age 18+)	17
Children (male, 17 and below)	20
Children (female, 17 and below)	25
TOTAL Participants	**82**

Site on arrival (add photos of the site):




Site after the clean-up (add photos of the site):

2.2. About the waste collected

The following table summarises the type of waste collected from zone 1 and zone 2. Outside of zone 1 and zone 2, we collected and filled a total of 40 trash bags weighing in at a total of 253.3kg. Overall, we managed to remove approximately 444.3kg worth of litter from the coast of the Mulinu'u Peninsula.

Table 2. Summary of the Audited Waste for Zone 1 and 2.

Type of waste	Quantity (kg)*	Quantity (number)
Glass	53	285
Plastic	41.27	1973
Metal	27.85	640
Paper and Cardboard	14.4	732
Fabric and Textiles	12	4
Rubber	6.1	43
Foamed Plastic	5.9	220
Ceramic	5	8
Wood	4.7	2
Other	20.7	12

.

Photographic coverage of the event (Insert photos of the event and waste collected):


NUU

Appendix 1 – Registration form

Mulinu'u Coastal Cleanup Day for the International Coastal Cleanup Day 2022
Saturday 24 September 2022

Registration Sheet

No.	Name	M/F	Age range a) 17 and under d) 40 – 49 b) 18 – 29 e) 50 – 59 c) 30 – 39 f) 60+	Email	Organisation
1.	Joe Lepore	M	55	JLepore@wattfoundation.org	watt
2.	Kyle Roepke	m	b	kyle@kyleroepke.com	watt
3.	Fervon K Fruean	M	d		Artificial Reefs Samoa
4.	Lumi Fruean	m	a		u
5.	BENJAMIN HANSELL	M	37		AYC
6.	Walter Faletoese	M	15	ffaletoese@gmail.com	5 Brothers B+R
7.	Bill Faletoese	M	10	ffaletoese@gmail.com	5 Brothers B+R
8.	Nesa Sinclair	F	a	-	-
9.	Lagitraiia Sinday	F	a	-	-
10.	Maia. Loane	F	a		

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No.	Name	M/F	Age range a) 17 and under b) 18 – 29 c) 30 – 39 d) 40 – 49 e) 50 – 59 f) 60+	Email	Organisation
11.	Judith Habriana Faamotala Aiavao	F	B	judithainuue@gmail.com	
12.	Leilani Reed	F	B	leilani.reed@hotmail.com	AYC
13. →	Fritz Reed	M	D		AYC
14.	Elle Reed	F	A		AYC
15.	Bella Reed	F	A		AYC
16. →	Aukuso T.	M	B	tausili'aukuso@gmail.com	—
17. →	Tuafegaloa Joe	m	f	director@smalei.com.	Aiga Folau/SVS.
18. →	Karl Steffany	m	d	karlsteffany@gmail.com	SVS/Aiga folau
19.	Jenny Rodgers	F	F	am0048@UKgiTeway.neT	Moff
20.	Agnes Slade	F	C	sladeaggie@gmail.com	SGS
21.	Marie Talauli	F	A	—	AYC
22. →	Tony Talauli	M	D	anthonyt@sprep.org	AYC
23.	Coken5	M	a		NZHC, SICFA
24.	Meagria	F	C		SICFA, NZHC

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No.	Name	M/F	Age range a) 17 and under b) 18 – 29 c) 30 – 39 d) 40 – 49 e) 50 – 59 f) 60+	Email	Organisation
25.	Julie Pillet	F	40-49	julie_pillet@hotmail.com	SPREP
26.	Lyttonia Finau	F	18-29	Lyttonia@gmail.com	—
27.	Otesa Finau	F	17 and under	Ttessa2004@gmail.com	—
28.	MICHAEL RAMSES	M	47	rel@samoa.ws	STSFA
29.	Pilapola Ioane	M	18-29	pilapolaioane@gmail.com	LeAmosa
30.	Lonnysha Tana	F	17 and under		Le Amosa.
31.	EmmlaTana	F	18-29		Le Amosa
32.	Pueomanu Tevaga	F	17 and under		Le Amosa
33.	Maria Tafiau	F	17	mariatofiau19@gmail.com	—
34.	Miracle-Aletoru	F	18-29	miraclatoru27@gmail.com	—
35.	Elia. Aletoru	M	17	"	—
36.	Faith. Iona. Faiai	F	18-29	faithfaiai04@gmail.com	—
37.	Hannalei. Ldenese	F	18-29	hannaleildenese@gmail.com	—
38.	Emily Lee	F			

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No.	Name	M/F	Age range a) 17 and under b) 18 – 29 c) 30 – 39 d) 40 – 49 e) 50 – 59 f) 60+	Email	Organisation
39.	Ellie Emily Lucas	F	D	emilylucas@dfat.gov.au	Aus High Com
40.	Charles Temby	M	A	"	"
41.	Matilda Temby	F	A	"	"
42.	Hugo Temby	M	D	"	"
43.	Celine Waniart	F	C	waniart.celine@gmail.com	~~Nouf~~ – Yacht club
44.	Taylor Trebitsch	M	A	"	~~Nouf~~ "
45.	Mateo Trebitsch	M	A	"	~~Nouf~~ "
46.	Beth Evans	F	C	bethysmail@icloud.com	AYC
47.	Jatze Evans	M	A	" "	AYC
48.	Ryley Evans	M	A	"	AYC.
49.	FOLIGA MUNDIA	M	~~A~~B	fmundia07@gmail.com	SCS.
50.	Rosalie Pene	F	~~B~~ C	rpene@conservation.org	Niuean Paraglider Club.
51.	Rafaele T.	M	F	—	SCS
52.	Kies-Tiffany	M	B	—	—

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No.	Name	M/F	Age range a) 17 and under b) 18 – 29 c) 30 – 39 d) 40 – 49 e) 50 – 59 f) 60+	Email	Organisation
53.	Gloria Reupena	F	a	"	Samoa Primary School
54.	Mercy Seru	F	a	"	Chanel College
55.	Lagi Reupena	F	b	lagi@sprep.org	SPREP
56.	Josey Duffy	F	B		SVS
57.	Peresitene Kitiona	F	a	tenekitii@gmail.com	—
58.	Mamera Sialaoa	F	a	mameresialaoa05@gmail.com	NUS (Foundation)
59.	David Fahina	M	b	fahinadavid@gmail.com	NUS Foundation
60.	Fiona Sapatu	F	b	fionamariasapatu@gmail.com	SCS
61.	Jennifer Laulu	F	b	jenny05laulu@gmail.com	SCS.
62.	Vili Tamaau	M	10	—	Nuu SDA Pathfinder
63.	Viliamu Iupeli	M	11	—	Nuu SDA Pathfinder
64.	Junior Iupeli	M	13	—	Nuu SDA Pathfinder
65.	Sasa Tamaau	M	13	—	Nuu SDA Pathfinder
66.	Jolieana Iupeli	F	12	—	Nuu SDA Pathfinder

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SAMOA CONSERVATION SOCIETY
SOSAIETE FAASAO O SAMOA

GLOBAL SHAPERS COMMUNITY APIA

AYC SAMOA Est. 1936

No.	Name	M/F	Age range a) 17 and under b) 18 – 29 c) 30 – 39 d) 40 – 49 e) 50 – 59 f) 60+	Email	Organisation
81.	Ieremia Atele	M	A	—	Nuú SDA Pathfinder
82.	Poutu Fiaii	M	B	—	"
83.	Maota Tamala	F	C	—	"
84.					
85.					
86.					
87.					
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Appendix 2 – Waste collection form

Zone 1						
Code	**Material**	**Category Name**	**Count**	**Weight (kg)**	**Weight (g)**	**H/L**
GC03	Ceramic	Plates	8	5	5000	L
CL03	Fabric & Textiles	Sack	1	1.6	1600	L
FP05	Foamed Plastic	Styrofoam box	1	0.5	500	L
GC02	Glass	Bottles	30	6	6000	H
GC02	Glass	Bottles	15	3	3000	L
GC02	Glass	Bottles	35	7	7000	H
ME02	Metal	Metal caps	146	0.5	500	L
ME03	Metal	Aluminium cans	45	1.25	1250	H
ME10	Metal	Other	15	5	5000	H
ME06	Metal	Foil wrapper	8	0.5	500	H
ME01	Metal	Tablewear	1	1	1000	H
ME03	Metal	Aluminium cans	5	1	1000	L

Code	Material	Category Name	Count	Weight (kg)	Weight (g)	H/L
ME10	Metal	Other	3	1	1000	L
ME02	Metal	Metal caps	124	0.5	500	H
OT04	Other	Other (batteries)	11	0.25	250	H
OT03	Other	Other	1	0.45	450	L
PC03	Paper & Cardboard	Cups	50	0.5	500	L
PC03	Paper & Cardboard	Papers	20	1.5	1500	H
PL06	Plastic	Plastic containers	11	1	1000	
FP02	Plastic	Styrofoam	1	1	1000	H
PL02	Plastic	Bottles	420	4.2	4200	H
PL06	Plastic	Containers	4	0.4	400	H
PL06	Plastic	Containers	10	1	1000	H
PL07	Plastics	Food wrappers	290	2.9	2900	H
RB02	Rubber	Shoes	14	2	2000	L
WD06	Wood	Other (driftwood)	1	2.5	2500	H

Zone 2						
Code	**Material**	**Category Name**	**Count**	**Weight (kg)**	**Weight (g)**	**H/L**
CL03	Fabric & Textiles	Cloth	1	8.6	8600	H
CL03	Fabric & Textiles	Cloth	1	1	1000	L
CL06.01	Fabric & Textiles	Other	1	0.8	800	L
FP02	Plastic	Styrofoam	217	2.6	2600	H
FP05	Plastic	Styrofoam	1	1.8	1800	H
FP05	Plastic	Styrofoam	1	1	1000	H
GC02	Glass	Bottles	72	13	13000	H
GC02	Glass	Bottles	67	12	12000	H
GC02	Glass	Bottles	11	2	2000	L
GC02	Glass	Bottles	33	6	6000	L
GC02	Glass	Bottles	22	4	4000	L
ME03	Metal	Aluminium cans	93	1.4	1400	H
ME03	Metal	Aluminium cans	173	2.6	2600	H
ME03	Metal	Aluminium cans	27	0.4	400	H

Code	Material	Category Name	Count	Weight (kg)	Weight (g)	H/L
ME10	Metal	Other	1	0.9	900	L
ME10	Metal	Other	1	9	9000	H
ME10	Metal	Other	1	2.8	2800	H
OT03	Other	Other	1	9	9000	H
OT03	Other	Other	1	2.2	2200	H
OT03	Other	Other	1	6.2	6200	H
OT03	Other	Other	1	2.6	2600	H
PC03	Paper & Cardboard	Cups	480	4.8	4800	H
PC03	Paper & Cardboard	Papers	100	1	1000	L
PC03	Paper & Cardboard	Napkins	80	0.8	800	H
PC05	Paper & Cardboard	Other	1	1.4	1400	H
PC05	Paper & Cardboard	Other	1	4.4	4400	H
PL01	Plastic	Caps	250	1.25	1250	L
PL01	Plastic	Caps	104	0.52	520	L
PL02	Plastic	Bottles	75	1.8	1800	H

Code	Material	Category Name	Count	Weight (kg)	Weight (g)	H/L
PL02	Plastic	Bottles	200	3	3000	H
PL02	Plastic	Bottles	187	2.8	2800	H
PL02	Plastic	Bottles	173	2.6	2600	H
PL06	Plastic	Plastic containers	162	6.8	6800	H
PL06	Plastic	Plastic containers	19	0.8	800	H
PL07	Plastics	Food wrappers	50	4.6	4600	H
PL24	Plastic	Other	1	5	5000	H
PL24	Plastic	Other	1	1.6	1600	H
RB02	Rubber	Shoes	11	1.5	1500	H
RB02	Rubber	Shoes	18	2.6	2600	H
WD06	Wood	Other (driftwood)	1	2.2	2200	H

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP), THE PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME

AND

TULAGI ZONE 3 WASTE CHAMPIONS

OCTOBER 2022

Table of Contents

1.0 INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

a. Organisation Name**: Tulagi Zone 3 Waste Champions**

b. Project Manager (and contact details):

Name: Julienne Leinga

Email: j2leinga@gmail.com

Phone: +677 7970239

c. Organisation Description and History:

Tulagi Zone 3 Waste Champions (TZ3) was established in 2021 in Tulagi Station, Ward 4, in the Central Islands Province, Solomon Islands. TZ3 is a community organization which comprises of 30 households situated in the centre of Tulagi Central Business Centre. TZ3 are spearhead by mostly women and mothers in Zone 3. There is an established executive members with other sub-committee that are focus in other functions approved by the zone 3 members.

Our activities are based on the community's society's objectives and that includes

1. Solid wastes are properly collected and segregated in their relevant forms
2. Monthly beach cleaning up and awareness
3. Road and accesses are properly planned and aligned to ensure beautification of the zone
4. Ensuring continuous awareness on waste management
5. Ensuring solid wastes are properly disposed or discharged at the waste huts provided and not into the sea.

Tulagi Zone 3 members are mostly health practioner and provincial workers therefore, health is a vital component in every household. TZ3 members has skills and experience in conducting environmental awareness-raising and they are also members of a social media that updates environmental health issues and other waste management awareness and updates. This platform are medium which TZ3 believe best reach the Tulagi community and neighbouring communities to encourage positive environmental behavioural changes. Most TZ3 members also works closely with the only community high school in Tulagi and other local schools within the Province, educating students of all age groups on topics that are of environmental interest. Waste management and in particular "solid waste segregation" and "Ocean Pollution" has been a popular school topic as of late.

2.0 ABOUT THE CLEAN-UP DAY Over all information

a. Description of the activity:

Tulagi community consist of 5 local zones, 1 community high school, primary and ECE, Mini-Hospital, other state owned enterprises, shipping industries and the Provincial Government administration centre.

Because of these important institutions, there are a lot of concerns raised by the community and visiting guests to Tulagi about the beaches and the disappointing behaviours of the local community when it comes to incorrect disposing of solid waste into the sea.

Raising of awareness starts way back in the 2018 with volunteering work done by the Zone 3 waste champions in cleaning up the beach, however, over the years of awareness, we realised that household are taking responsibility of disposing their household waste at the garbage huts the additional problem with waste we encountered is the wastes washed ashore to the beaches are from the nearby islands especially after and during strong winds. Not only that but most waste are been in the sea and on the beach for more than 30 years now

Addressing waste and managing it was the community's challenges and seeing that the International coastal clean-up event provided a beneficial opportunity, we decide to take part in this cleaning up and not only beautify and reduce the amount of waste potentially making its way to our marine environment but also allowed for valuable data to be recorded so that assessments can be made over time to identify whether the problem has improved or gotten worse.

There is a visual aid material being made that capture the clean-up and interviews from some of the zone 3 community members. The awareness conducted in the past and during the cleaning up is to encourage positive environmental behavioural changes in people. The awareness message covers topics on,

1) Main waste found on our beaches and their live span in the ocean.
2) The negative impacts of leaving rubbish on the beach and how it can harm our marine life.
3) Waste segregation by demonstrating the 3 R actions, (Refuse, Reuse, Recycle) this was the key message for the cleaning up because of the household responsibility.
4) Household to be responsible and continue advocate on proper waste management to any visiting relatives and other guests that rubbish should not be thrown into the sea but at the garbage huts provided along the zone 3 road.

We hope that the positive behavioural impact of these can be measured through data collected in the next community clean up event/waste audit.

b. Location of the clean-up activity

Tulagi Zone 3 beach front, Central Province, Solomon Islands

Name of Sites:	Length	Width	Location
Taporo	20	20	Zone 3
Medical	16	20	Zone 3
Elise	14	20	Zone 3
Manele	60	20	Zone 3

Length – 110m Width – 20 Area – 2,200m^2

These beach sites are located in zone 3 and the sites mostly used by Out Board Motor coming in and going out from Tulagi with visiting people to the province. I had to combine all beaches for the Ocean clean up because these are prime sites for visiting people and most recreational beach used by children in Tulagi.

c. Timetable

Cleaning up at the Beach - 08TH October 2022 – 7am – 7.45am

Waste Audit: 08th October 2022 - 9am – 2pm

d. Number of participants

- Women: 35
- Men: 25
- Children (under 18 years old): 50

3.0 MEASUREMENT OF BEACH

Figure 1Elis Beach front

Figure 2-Taporo Beach front

Figure 3- Manele Beach front

Figure 4- Medical Beach front

4.0 SITE ON ARRIVAL (Before cleaning up):

Figure 5- Manelugu Beach Front

Figure 6- Taporo Beach front

Figure 7- Medical Beach Front

Figure 8- Elise Beach Front

5.0 CLEAN-UP SESSION

6.0 SITE AFTER THE CLEAN-UP (add photos of the site):

Figure 9-Medical Sea front

Figure 10- Ellise Beach Front

Figure 11- Manele Beach front

Figure 12- Taporo Beach front

7.0 WASTE COLLECTION FORM

Type of waste	Quantity (kg)*
Organic Waste	**387.8kg**
1. Leaves	13.4kg + 9.9kg + 8.2kg + 20.3kg + 8.5kg + 22.2kg + 21.1kg + 25.1kg + 21.4kg + 10.3kg + 13.5kg + 15.2kg + 17.3kg + 11.6kg + 15.7kg = **233.7kg**
2. Coconut Shell	13.2kg + 10.4kg + 6.6kg = **30.2kg**
3. Dry Sticks	14.4kg + 9.2kg + 11.4kg + 12.2kg = **47.2kg**
4. Tree Fruits	12.3kg + 10.4kg + 6.6kg = **29.3kg**
5. Kitchen Waste (Root crop peelings)	10.2kg + 8.5kg + 12.3kg = **31kg**
6. Betel nut Husks	**7.4kg**
7. Timber	**9kg**
Inorganic Waste	**145.62kg**
1. Plastic (Single use)	3.3kg
2. Pet Bottles	3.4kg
3. Aluminium can	5.3kg
4. Canned Food Tins	18.2kg
5. Glass & Ceramic Tiles	7.9kg
6. Metals (Iron rods etc.)	10.2kg
7. Paper (cardboard	5.4kg
8. Bottles (Food and Beverage)	6.4kg + 4.4 + 5.8kg =**16.6kg**
9. Comestics and Medical package Waste	5.3kg
10. Foamed Plastic	2.12kg
11. Diapers and Latex Gloves	6.3kg + 7.2kg = **13.5kg**
12. Gas Bottles	6.9kg
13. Plastic - Bottle Caps	1.6kg
14. Plastic - Table Legs	3.2kg
15. Paper – (Box Matches, Cigarette Pkts)	4.4kg
16. Fabric and Textiles	12kg + 10.4kg + 6.1kg + 9.4kg = **37.9kg**
17. Cigarette Butts	40grams
TOTAL WASTE COLLECTED	**387.8kg + 145.62kg = 533.42 KG**

* Use the most appropriate column according to the type of waste

8.0 WASTE ARE WEIGHT ACCORDING TO EACH CATERGORIES.

There are 35 garbage bags that are being distributed during the beach cleaning up, however they held different types of wastes as it was not segregated and different amount of waste in each bag. Also, there is a tent been set up for the waste auditing and we have to lay a canvas so that waste can be segregated properly with enough space to accommodate each waste.

These are few examples of the types of waste we found on the beach.

Item	Type of Waste	Item	Type of Waste
1	Pet Bottles 	5	Aluminium Cans 
2	Canned Food Tins 	6	Gas Bottles 
3	Bottles (Food and Beverage) 	7	Papers (Cigarette Pkts) 
4	Diapers and Latex Gloves 		

9.0 AWARENESS AND ANNOUCEMENT

There is an awareness conducted during the beach cleaning up and reminders to all that participated during the clean –up and visiting friends.

Topics

1. The most dangerous species of our coasts and lagoons. (Reference – SPC)
2. Proper waste management at home
3. Waste Segregation a simple practise (Reuse, Recycle, Reduce)

10. 0 COLLECTION OF CARBAGE BAGS FROM THE BEACH AND WILL BE TRANSPORTED TO THE WASTE AUDIT HUT.

11.0 VOLUNTEERS DURING THE WASTE AUDIT

Most waste audit individuals are children age 19 and below who actively participated in this activity. I made a brief awareness on this waste audit as it was important for my report which will be the main focus about this beach clean-up community activity. I clearly explain what type of waste should be put together as waste categorization is an important point during this waste audit as we will identify which waste are highly disposed into the sea causing it to be risk to the marine life as well as a threat to our children's recreational area.

12.0 ALL WASTES ARE ITEMIZED UNDER SEPARATE CATERGORIES.

During the waste audit, the children help with the segregation into categorised heaps whilst the adults help with weighing of each waste. We do the weighing using a hang on scale which was really helpful as it was done in a kilogram and light weight waste on a smaller scale.

13.0 CONCLUSION

After the beach clean-up day, we do a waste categorization at a tent were volunteers given their time to be part of the waste audit. The results from these waste audit are as follows under these two categories, organic and inorganic waste. However, a more detailed information are in section 7.0.

Item	Waste Category	Weight in Kilogram
1	Organic Waste	387.80kg
2	Inorganic Waste	145.62kg
	Total waste collected	533.42kg

Analysing the total number of inorganic waste, the highest waste identified is the textiles and used soiled diapers which results and concluded that mother tend to use diapers for their babies than cotton nappies and threw clothes into the sea rather than using it as a rug. A focus group awareness which consist of mothers is a proposed activity for zone 3 and other zones as these waste was so obviously seen in most beaches in Tulagi.

In addition to that, most canned food tins and bottles are being there in the sea for quite a number of years now and this clean-up activity had put commitment on the parents to remove it by picking them up from the beach and in the sea as their children always swim in the sea.

Analysing the organic waste, from our findings I conclude that most organic waste are debris being washed ashore after the heavy rainfall and strong wind prior to the clean-up unlike the kitchen waste it was dumped along the road close to the clean-up marked area.

All families in zone 3 household participated during the beach cleaning up which shows a positive result of the beach was cleaned and the waste audit was completed, however continuous awareness is still a priority for zone 3 and the whole of Tulagi community.

There is a light refreshment for the waste audit volunteers and the waste were then transported by the hospital 3 tonne truck to the dumpsite.

APPENDIX 1 - LIST OF VOLUNTEERS AT THE WASTE AUDIT HUT

No.	Name	Age
1	Julienne Leinga	Adult
2	Angeline Mary	19
3	Sandra Polau	Adult
4	Hilda Laboe	Adult
5	Lukeford Houa	9
6	Davin Buaga	8
7	Bradwyn Vasuni	8
8	Frank Junior Vure	9
9	Junior Melvin	Adult
10	Norman Palmer	Adult
11	Michael Maeli	Adult
12	Jeffery Hedi	Adult
13	Daniel Sogilo	Adult
14	Zahid Namo	Adult
15	Michael Hou	15
16	Alphones Bole	10
17	Duddley Bale	10
18	Javin Wale	14
19	Lonsdale Bale	9
20	Rao Riale	8
21	Brian Kabele	9
22	Patteson Watemae	17

Appendix 2 - PHOTOGRAPHIC COVERAGE OF THE EVENT (photos of the event and waste collected):

WASTE AUDIT TEAM DISPOSING WASTE AT THE DUMPSITE

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP), THE PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME

AND

Environment & Conservation Division, Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM)

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: The Environment & Conservation Division (ECD) Ministry of Environment Climate Change Disaster Management & Meteorology

Project Manager (and contact details):

Name: Patrina Millie

Email: PMilllie@mecdm.gov.sb

Phone: (677) 7464525

Organisation Description and History:

The Environment & Conservation Division (ECD) is one of the four departments under the Ministry of Environment Climate Change Disaster Management & Meteorology. The division is responsible for the conservation and management of the environment. Its key areas of work include promotion and protection of biodiversity, protected areas network, wildlife and species management, bioresearch, environmental training, awareness and outreach, development control, waste management, and pollution control and community-based resource management. Under the program on development, waste management & pollution control, the division aims to promote, implement, enforce and enhance appropriate environmental safeguards and tools in development actions and sustainable waste management and pollution control.

2. ABOUT THE CLEAN-UP DAY

Description of the activity:

The International Coastal Clean-up Day was implemented in the Solomon Islands by our team, the MECDM with the Support of SPREP on the 24th of September 2022. The activities involved are Awareness a week prior to the Clean-up day. Chung Wah School and Renlau Community are the selected school community where the awareness program took place.

The Clean-up program started from 8:30 am to1:00 pm on Saturday 24th September 2022, as a half-day event. The program involves lunching from 8:30 to 9:00 am. Waste audit and cleaning of the beach from 9:00 am to 12:30 and lunch (rice, sausage and bean) after the clean-up. The final task for the day is the transportation of waste (Two loads of Tipa truck) collected to the Ranadi landfill site for disposal.

Location of the clean-up activity:

The clean-up activity took place at Mataniko River mouth, Honiara City.

Timetable:

2022 International Coastal Clean-up Day PROGRAM	
DATE: Saturday, 24th 2022	
LOCATION: MATANIKO RIVER MOUTH	
Time	**Activities**
8.00 - 8.30am	• Assemble at Mataniko Plaza Building Area (China Town) • Sharing of T-shirts
8.30 - 9.00am	• Introductions – outline of program by Team Leader • Opening prayer • Remarks from the Ministry of Environment (ECD Rep) • Remarks from the Friends of the city (Yvan Grima) • ECD and FOTC Organise into their respective groups and dispatch into the clean-up areas
9.00- 12noon	• Beach Clean Up • Waste Characterisation to be demonstrated by MECDM Team Leaders • Collect and pile all rubbish at a designated location (s) on the main road for collection
12 -12.30	• Light refreshment • Vote of thanks to volunteers
12.30 -1pm	• Rubbish Collection and disposal at Ranadi

Number of participants: (Registration form in Appendix 1), including

- Women: 27
- Men: 22
- Children (under 18 years old): 15

Site on arrival (add photos of the site): Mataniko River Mouth before the Clean-up

Site after the clean-up (add photos of the site): Mataniko River Mouth After Clean-up

3. ABOUT WASTE COLLECTED

	Type of waste	Quantity (kg)*	Quantity (volume, number, etc.)*
Plastics	Bottle Caps & Lids	12	442
	Pet Bottles	39.6	630
	Food Containers	2	27
	Plastic Bags	17.4	445
	Scrap Cable	0.8	2
	Other Plastic (Diapers)	17	198
Foamed Plastic	Coffee cups, styrofoam	4.95	700
Metal	Tin cans	0.14	2
	Butane gas bottle	36.10	377
Glass & ceramic	Glass, ceramic fragments	0.5	169
Paper cardboard	Paper bags, cigarette packs	0.5	8
Others	Betel-nut skin, Coconut husks, shell	24	676
	TOTAL	**154.99 kg**	**3,676 items**

Photographic coverage of the event (Insert photos of the event and waste collected):

ICC Participants assemble and presentation of speeches done by Team leaders.

Participants Cleaning the Beach

Patrina Millie (MECDM Project Manager doing Waste Audit)

Waste Collected stored and transported to the final destination the RANADI Landfill.

Appendix 1 – Registration form

INTERNATIONAL Coastal Clean-up Day

24th September 2022

Registration Form.

	Name	Organisation/community	Signature
1	DEBRAK	MECDM/ECD	
2	EDWARD D	MECDM/ECD	
3	WENDY B	MECDM/ECD	
4	LEON L	MECDM/ECD	
5	RATRINA MILLIE	MECDM/ECD	
6	Emily P	MECDM/ECD	
7	DESMOND	MECDM/ECD	
8	GODWIN	MECDM/ECD	
9	LINO TINGTIA	MECDM/ECD	
10	PHILLIP KILGANO	MECDM ECD	
11	MICHAEL SUINAO	MECDM (ECD)	
12	JOHN M	Renlau Community	
13	LARINE B	MECDM/ECD	
14	John Mark Rongolea	Renlau Community	
15	Mary Bibi	Renlau Community	
16	James Titi	Renlau Community	
17	BENARD KELI	BURNSCREEK COMM	
18	Sisiric Osa	Renlau Community	
19	ESTHER B	RENLAU	
20	John Timo	FOTC	
21	Judina Bae	FOTC	
22	Willie Ata	FOTC	
23	ERASTUS KAKONGI	MECDM/ECD	
24	[illegible]	FOTC	
25	Mark Manesi	FOTC	
26	Lucy Sisia	RENLAU	
27	Emil [illegible]	~~[illegible]~~ Renlau	
28	KAELONGA K	RENLAU	
29	Susan Bale	FOTC	
30	Jeremy T	FOTC	
31	Merelyn	FOTC	
32	James Dalugah	FOTC	
33	Mark [illegible]	FOTC	
34	James [illegible]	FOTC	
35	CHANEL PETER	RENLAU	
36	Melvin Zama	ECD/MECDM	
37	Dennes Tarekelu	RENLAU	
38	Junior Talivai Malow	MECDM	
39	Jemova	FOTC	
40	Riz Rolleni	MECDM/ECD	

41	MICHAEL D	KENLAU	[signature]
42	PATRICK SIKWAKE	Renlau	[signature]
43	LUSIANO SEDA	RENLAU	[signature]
44	ALLEN PETER	RENLAU	[signature]
45	ANDREW NIXON	Chung Wah School	[signature]
46	Paul Mae	Chung Wah School	[signature]
47	Max Lufu	Chung Wah School	[signature]
48	Rita Sengawao	Chung Wah School	[signature]
49	Jenden Fotei	Fotc	[signature]
50	Glynis Fotei	FOTC	[signature]
51	Jezay D	FOTC	[signature]
52	Patricia Bela	FOTC	[signature]
53	Alice Mary	FOTC	[signature]
54	Marisa S	FOTC	[signature]
55	Clara Utamaecia	FOTC	[signature]
56	Atabain Melefo	Renlau	[signature]
57	Jenica Haelibaee	Renlau	[signature]
58	Lui A	Renlau	[signature]
59	Andina Mae	MECDM/ECD	[signature]
60	Luiramo James	FOTC	[signature]
61	Josiah B	Renlau	[signature]
62	Wilton Delati	Renlau	[signature]
63	Ezesek T	Kolaale School	[signature]
64	Joe Maefasia	FOTC	[signature]
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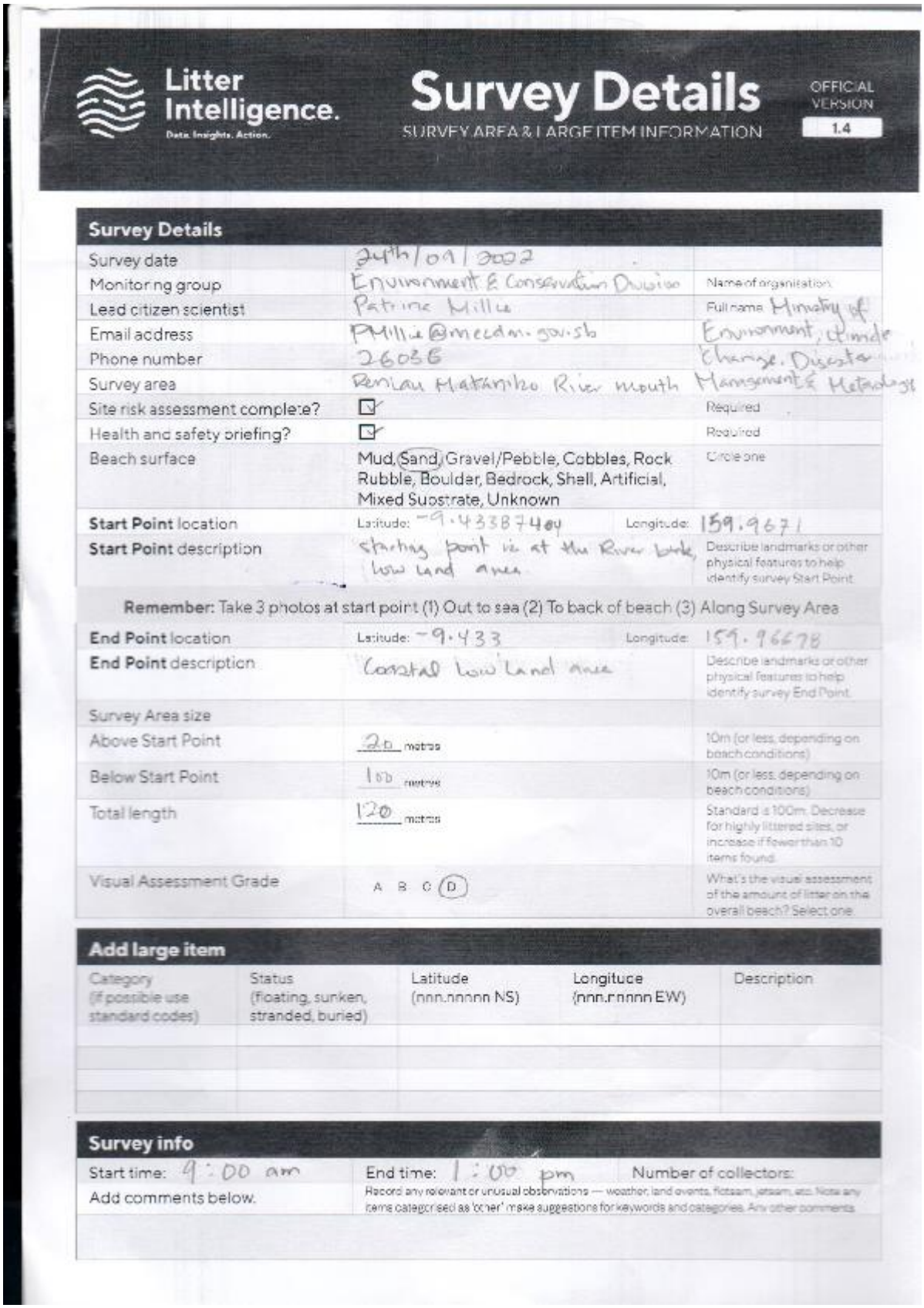
Australian Government KIOST KOREA INSTITUTE OF OCEAN SCIENCE & TECHNOLOGY

Appendix 2 – Waste collection form



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Data. Insights. Action.

Survey Details

SURVEY AREA & LARGE ITEM INFORMATION

OFFICIAL VERSION 1.4

Survey Details

Survey date	24th/09/2022	
Monitoring group	Environment & Conservation Division	Name of organisation
Lead citizen scientist	Patrine Millie	Full name Ministry of Environment, Climate Change, Disaster Management & Meteorology
Email address	PMillie@mecdm.gov.sb	
Phone number	26056	
Survey area	Renlau Matanikau River mouth	
Site risk assessment complete?	☑	Required
Health and safety briefing?	☑	Required
Beach surface	Mud, (Sand), Gravel/Pebble, Cobbles, Rock Rubble, Boulder, Bedrock, Shell, Artificial, Mixed Substrate, Unknown	Circle one
Start Point location	Latitude: -9.433874 Longitude: 159.9671	
Start Point description	starting point is at the River bank, low land area	Describe landmarks or other physical features to help identify survey Start Point
Remember: Take 3 photos at start point (1) Out to sea (2) To back of beach (3) Along Survey Area		
End Point location	Latitude: -9.433 Longitude: 159.96678	
End Point description	Coastal low land area	Describe landmarks or other physical features to help identify survey End Point
Survey Area size		
Above Start Point	20 metres	10m (or less, depending on beach conditions)
Below Start Point	100 metres	10m (or less, depending on beach conditions)
Total length	120 metres	Standard is 100m. Decrease for highly littered sites, or increase if fewer than 10 items found.
Visual Assessment Grade	A B C (D)	What's the visual assessment of the amount of litter on the overall beach? Select one.

Add large item

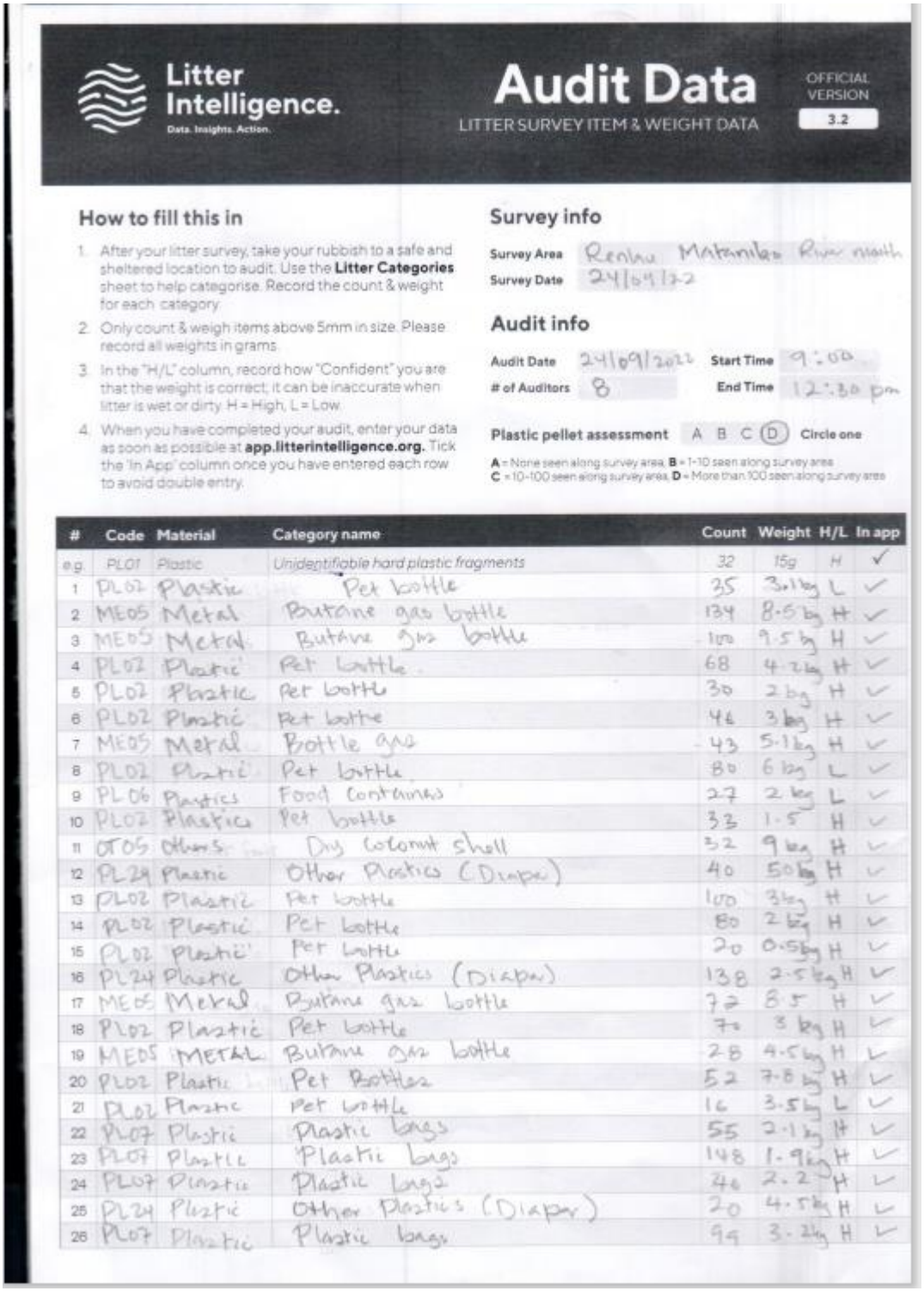
Category (if possible use standard codes)	Status (floating, sunken, stranded, buried)	Latitude (nnn.nnnnn NS)	Longitude (nnn.nnnnn EW)	Description

Survey info

Start time: 9:00 am End time: 1:00 pm Number of collectors:

Add comments below.

Record any relevant or unusual observations — weather, land events, flotsam, jetsam, etc. Note any items categorised as 'other' make suggestions for keywords and categories. Any other comments



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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the "In App" column once you have entered each row to avoid double entry.

Survey info

Survey Area: Reniw Matanniko River mouth
Survey Date: 24/09/22

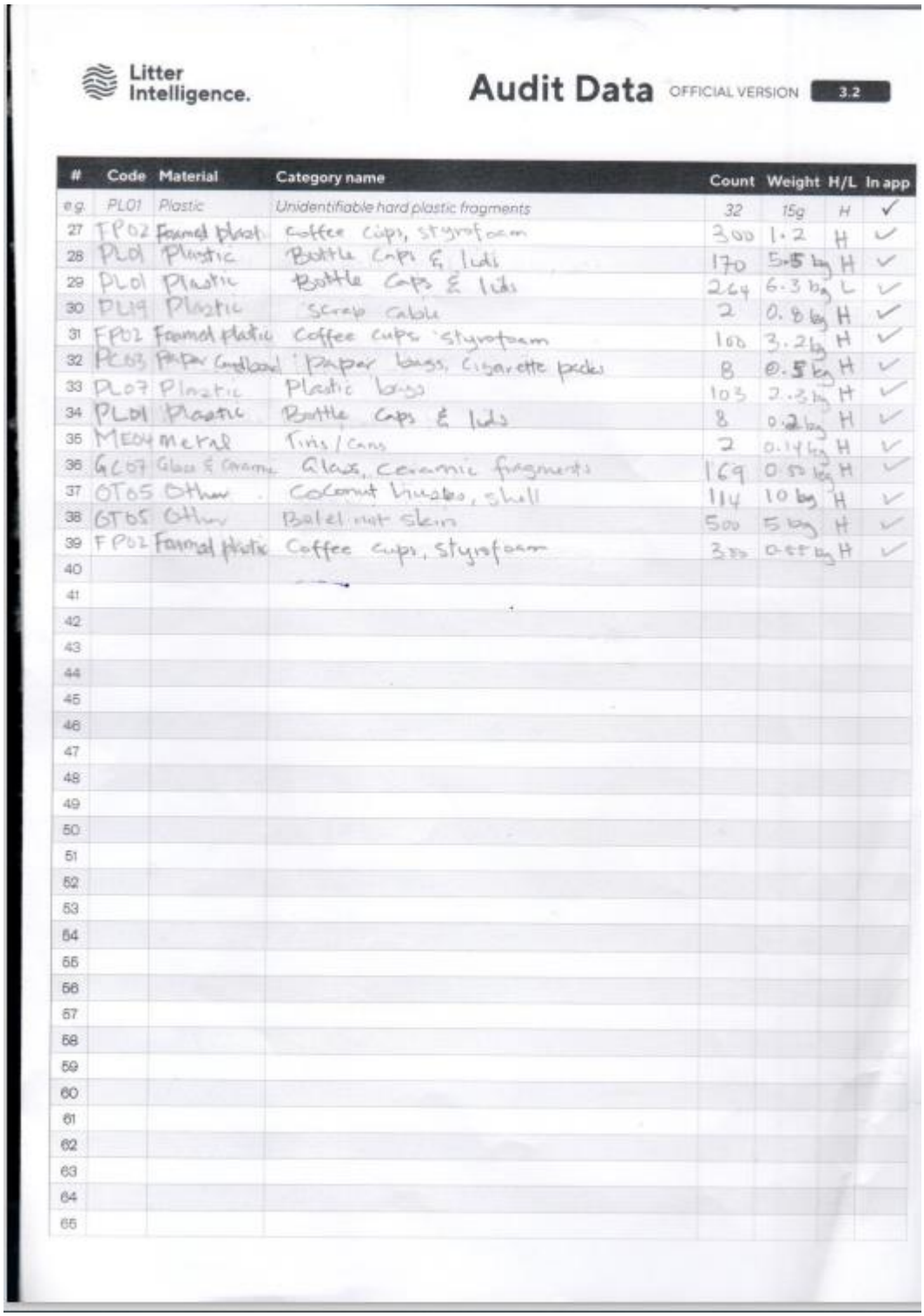
Audit info

Audit Date: 24/09/2022 Start Time: 9:00
# of Auditors: 8 End Time: 12:30 pm

Plastic pellet assessment: A B C (D) Circle one

A = None seen along survey area, **B** = 1-10 seen along survey area
C = 10-100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL02	Plastic	Pet bottle	35	3.1kg	L	✓
2	ME05	Metal	Butane gas bottle	134	8.5kg	H	✓
3	ME05	Metal	Butane gas bottle	100	9.5kg	H	✓
4	PL02	Plastic	Pet bottle	68	4.2kg	H	✓
5	PL02	Plastic	Pet bottle	30	2kg	H	✓
6	PL02	Plastic	Pet bottle	46	3kg	H	✓
7	ME05	Metal	Bottle gas	43	5.1kg	H	✓
8	PL02	Plastic	Pet bottle	80	6kg	L	✓
9	PL06	Plastics	Food containers	27	2kg	L	✓
10	PL02	Plastics	Pet bottle	33	1.5	H	✓
11	OT05	Others	Dry coconut shell	32	9kg	H	✓
12	PL24	Plastic	Other Plastics (Diaper)	40	50kg	H	✓
13	PL02	Plastic	Pet bottle	100	3kg	H	✓
14	PL02	Plastic	Pet bottle	80	2kg	H	✓
15	PL02	Plastic	Pet bottle	20	0.5kg	H	✓
16	PL24	Plastic	Other Plastics (Diaper)	138	2.5kg	H	✓
17	ME05	Metal	Butane gas bottle	72	8.5	H	✓
18	PL02	Plastic	Pet bottle	70	3kg	H	✓
19	ME05	METAL	Butane gas bottle	28	4.5kg	H	✓
20	PL02	Plastic	Pet Bottles	52	7.8kg	H	✓
21	PL02	Plastic	Pet bottle	16	3.5kg	L	✓
22	PL07	Plastic	Plastic bags	55	2.1kg	H	✓
23	PL07	Plastic	Plastic bags	148	1.9kg	H	✓
24	PL07	Plastic	Plastic bags	46	2.2	H	✓
25	PL24	Plastic	Other Plastics (Diaper)	20	4.5kg	H	✓
26	PL07	Plastic	Plastic bags	94	3.2kg	H	✓



Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	FP02	Foamed plast	Coffee cups, styrofoam	300	1.2	H	✓
28	PL01	Plastic	Bottle Caps & lids	170	5.5 kg	H	✓
29	PL01	Plastic	Bottle Caps & lids	264	6.3 kg	L	✓
30	PL19	Plastic	Strap cable	2	0.8 kg	H	✓
31	FP02	Foamed plastic	Coffee cups styrofoam	100	3.2kg	H	✓
32	PC03	Paper Cardboard	Paper bags, Cigarette packs	8	0.5 kg	H	✓
33	PL07	Plastic	Plastic bags	103	2.3kg	H	✓
34	PL01	Plastic	Bottle Caps & lids	8	0.2kg	H	✓
35	ME04	Metal	Tins / Cans	2	0.14kg	H	✓
36	GC07	Glass & Ceramic	Glass, Ceramic fragments	169	0.55 kg	H	✓
37	OT05	Other	Coconut husks, shell	114	10 kg	H	✓
38	OT05	Other	Betel nut skin	500	5 kg	H	✓
39	FP02	Foamed plastic	Coffee cups, styrofoam	333	0.55kg	H	✓
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

FRIENDS OF THE CITY

FRIENDS OF THE CITY
Clean City Green city

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name:

Friends of the City (FOTC)

Project Manager (and contact details):

Yvan Grima
Email: gyvan2013@gmail.com

Organisation Description and History:

Friends of the city (FOTC) is a locally non profitable organization established in the Honiara city in 2018, with the vision to see Honiara being kept clean, beautiful, planned, vibrant and liveable city. FOTC believes that it is everyone's responsibility to keep Honiara Clean, not just municipal organisation. And so, one of the objectives is to rally support for voluntary spirit from Honiara residence in keeping Honiara clean. FOTC has been doing lots of voluntary clean ups in Honiara City, including rubbish picking, cleaning/washing infrastructures, clearing of grass at Mataniko river and doing cleanliness awareness on the streets when doing clean ups in 2018-2020. FOTC has collaborated with other clean up initiatives such Clean-Op to do voluntary clean up in Honiara in 2021. Friends of the city has 200 registered members, and our approach is to create partnerships with communities to clean our surroundings voluntarily.

2. ABOUT THE CLEAN-UP DAY

2.1. Over all information

Description of the activity:

Friends of the City executive met to plan the dates and program for awareness and the clean-up day in receiving the project.

Friends of the City is affiliated to the Kingdom Harvest Ministry International Church in Honiara, and so the announcement was made to the congregation of about 300 members 2 Sunday prior. Invitations were also extended to youth's groups, and other sister-church to participate in the coastal clean-up. From our invitations about 4 different other groups join Friends of the City to do the clean-up. Approximately 270 members participated in the clean-up.

Friends of the City held 2 awareness and training meeting prior to the work. This was purposely to raise awareness on problem of plastics and waste reaching the sea and train the young people on collecting, sorting, and filling up the data which Litter Intelligence has offered. One of the awareness outreaches was in collaboration with the Ministry of Environment to Renlau Community in which about 30 people attended.

The second training and awareness was done at the Kingdom Harvest Youth members who will be leading the data collection.

Pic 1: Night awareness at Renlau Community.

Pic 2: Awareness & Training of data collectors.

Program of clean up was set early in the morning. The group gathered around 8.00am for brief announcement and then worked for 2 hours, cleaning, sorting, and collecting data. The clean was done around 10.30am. The sorting, recording, and weighing of the rubbish continues for another 1 and half hours. By 11.30 all the work was sone. The groups had lunch together before dismissing. The rubbish was collected by the Honiara City Council Dump Truck and disposed at the landfill.

Ministry of Environment (Solomon Island Government) staffs also chose the river to work, and so we have partnered with them to do the program in the coastal clean-up.

Location of the clean-up activity:

We picked the Mataniko River Mouth beach to do the clean-up because it is right in the middle of Honiara City and one of the most littered places. The preferred area of sampling from Data Intelligence training was 100meters by 20 meters, however since the mataniko river mouth beach area is less than this, we marked out 60 meters length and 20-meter width for collection and data collection.

Pic 3: Mataniko river mouth before cleaning up

This area is the dirtiest in Honiara City. With no regulations or enforcement of river management plans in Honiara, the Mataniko river system is the place for waste disposal. In addition to this, this river mouth hosts a community that uses this place for rubbish dumping and toilet. Friends of the City believes that the data collected here would be a closer reflection of reality in the Solomon and will provide a solid basic data to inform relevant bodies.

Timetable:

Date & time	Activity	Venue
12 Sept: 3.00 pm	Awareness & Training of Graceland Rangers	Graceland Nature Park
19th Sept: 7.30pm	Awareness to Renlau community and invitation to ICC clean up	Renlau Community
22nd Sept: 8.00pm	Awareness to KHMI youths Training on data collection.	KHMI Hall
24th Sept: - 8.00am - 9.00am – 11.00am - 12.00pm	ICCD - Meeting & launching of ICCD - Rubbish collection, sorting & data - Disposal at Ranadi landfill - Lunch and debrief Close	Renlau beach front Ministry of Infrastructure park.

Number of participants: (Registration form in Appendix 1), including.

Friends of the City has reached out to Renlau community leaving alongside the river mouth, Inner city youths, Destiny Glocal church and Kingdom Harvest church. These groups, about 270 people turned up for the clean-up. The integrate data is shown below.

Women	Men	Children	Total
112	106	29	247

There was no actual registry or signing up of people because everyone was involved heavily. We did head counts, and the above are the numbers of people attended. Most of the children were from the Renlau community that resides along the beach.

Pic 4: Group photo after cleaning up.

Site on arrival:

This is the area on arrival. This place is filled with all kinds of rubbish which are washed down from the river, thrown by the communities, and washed ashore from the sea.

Pic 5: Facing Solomon Ports area.

Pic 6: Mataniko River mouth

Site after the clean-up (add photos of the site):

This is the area during and after cleaning up.

Pic 7: Facing Solomon Ports area.

Pic 8: Mataniko River mouth.

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, nomber, etc.)*
Plastic (PL01)	0.5	110
Plastic (PL02)	245.5	2970
Plastic (PL04)	1	159
Plastic (PL06)	7	247
Plastic (PL07)	14.7	486
Plastic (PL07.01)	8.2	638
Plastic (PL07.02)	11.5	322
Metal (ME03)	14.5	193
Metal (ME04)	31	426
Metal (ME10)	47.3	486
Foam (FP02)	7.5	692
Foam (FP05)	3.5	115
Foam (FP05.01)	1	46
Glass (GCO2)	7.5	30
Glass (GCO7)	1.5	30
Glass (GCO8)	0.3	2
Diaper (OT02)	83.5	491
Coconut fruit/husk (OT05)	13	145
Betel Nut Husk (OT05)	14	10000
Fliplop/Shoe (CL01.01)	8.5	70

We are in the process of uploading this information to the Data Intelligence website.

Photographic coverage of the event (Insert photos of the event and waste collected):

Pic 9: Trash bags filled with rubbish – sorting & counting.

Pic 10: Trash bags slowly removed to road for removal.

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

RESILIENCE INNOVATION AND SOCIAL CHANGE GIRLS CLUB (RISC-GC)

17TH SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Resilience, Innovation and Social Change Girls Club (RISC-GC)

Project Manager (and contact details):

Name: Bobby Siarani

Phone: +677 7775470

Email: siarani.b@gmail.com

Organisation Description and History:

Resilience, Innovation and Social Change – Girls Club (RISC-GC) is a girls club formed on the 16th of January 2022. The club is led by 18-year-old Bethlyn Bobby who is currently the President of the organization. The purpose of establishing this community-based NGO/ Social enterprise is to promote young girls in Tuvaruhu Community to take lead in addressing environment and social issues in the community while empowering them to be confident, self-sustainable, resilient and innovative. The group initially began with 10 members and numbers currently increases to 26 members including male youths.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

Resilience Innovation and Social Change Club (RISC-GC) has conducted a coastal cleanup in front of the Mataniko river on Saturday 17th September 2022 to mark the International Coastal Cleanup Day. The cleanup event involves 26 young people between the age 14 – 31 both male and female from the community of Tuvaruhu and was led by RISC-GC President 18-year-old Ms. Bethlyn Bobby. The cleanup activity commences at 10:30am and finishes at 3:40pm in the afternoon. The cleanup activity takes place at the Mataniko River Mouth in Honiara City. Through the cleanup activity, young people are able to advocate for proper waste disposal and clean Honiara city. All the waste collected during the even was sorted, weight and recorded before transported to the Honiara landfill for proper disposal.

Location of the clean-up activity:

The location which RISC-GC conducted the cleanup activity is at the Mataniko coastal area, at the very mouth of the Mataniko river in Honiara. The Mataniko river coast is located at the very centre of Honiara City. Despite being at the centre of the Honiara City, the Mataniko river itself has several large and small settlement located along the river. Due to lack of proper awareness on waste disposal and management, the river is used as dumping site for the settlements. Therefore, the location which the group does the cleanup was piled with all kinds of rubbish wastes making it a challenge to cleanup, sort out types of rubbish and do auditing.

Timetable:

Number of participants: (Registration form in Appendix 1), including

- Women: 15
- Men: 11
- Children (under 18 years old): 7

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, Numbers, etc.)*
Plastic bottles	84 kg	1,319 (by numbers)
Butane gas bottles	26 kg	175
Tuna cans	21 kg	480
Coconut shell	17 kg	75
Pieces of table wires	5 kg	45
Baby Diapers	23 kg	205
Disposal plates	2.5 kg	30
Disposal cups	1.1 kg	15
Wooden utensils	23 kg	198
Wood and sticks	13 kg	146
Washing detegent bottles	3 kg	90
Drinking straws	0.5 kg	39
slippers	2 kg	21
Plastc bags	19 kg	244
Fishing strings	26 kg	162
Pieces of cloths	15 kg	116
carpets	5 kg	61
Playing cards	0.8 kg	21
Cloth pegs	2 kg	51
faeces		1 bag
Bettle nut husks	4 kg	396

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):

Figure 1: RISC-GC members and volunteers assemble at the site before the clean up

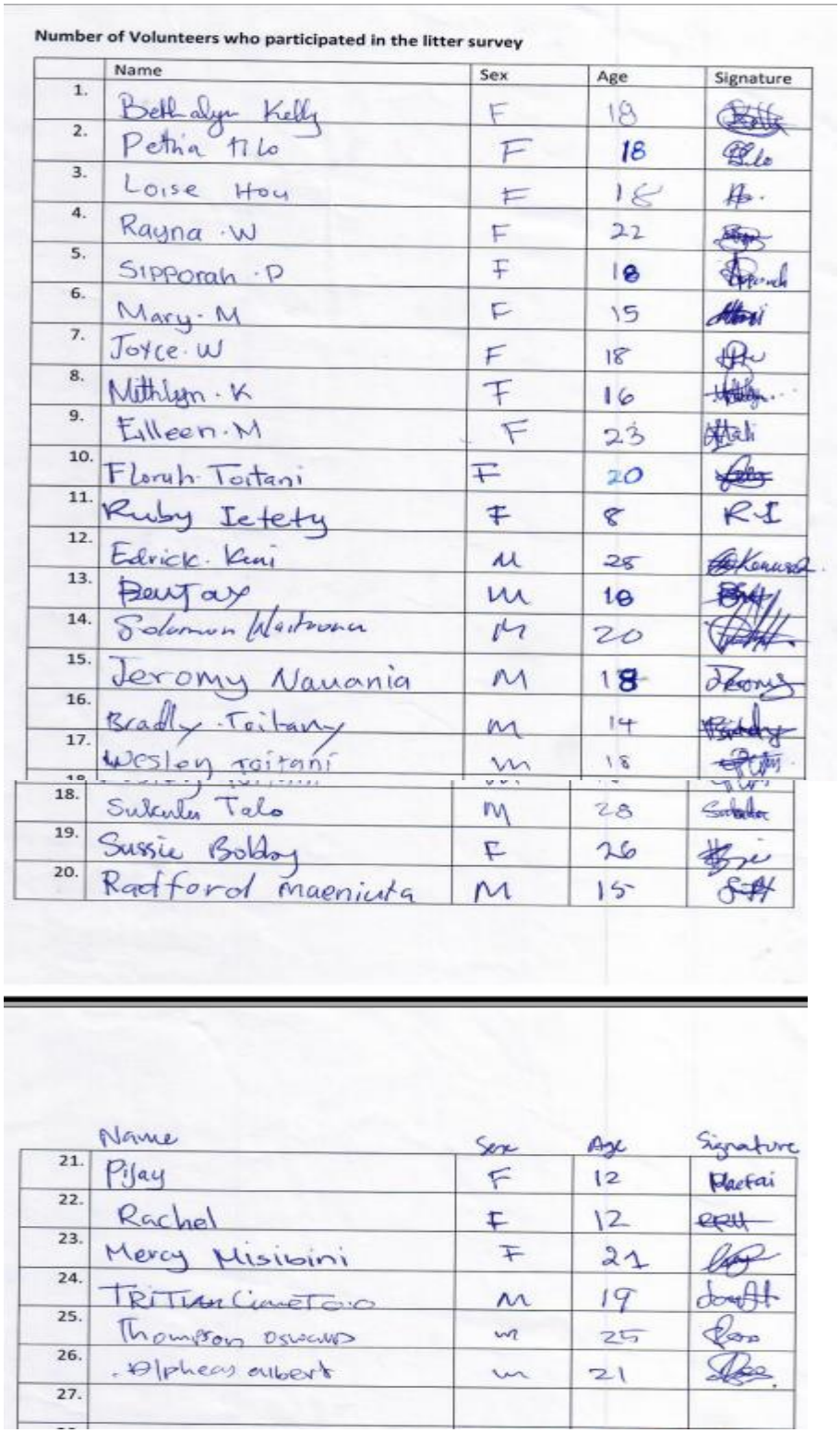
Figure 2 and 3 above: The team measuring the area for the cleanup.

Figure 4 to 8: participants doing clean up in the demarcated site (due to massive amount of rubbish and wastes in the area, the demarcated area for cleanup is 20 m x 20 m length by width).

Figure 9 to 13: sorting of wastes, weight and auditing.

Figure 14 to 16: wastes collected are transported to the Honiara land field and disposed.

Appendix 1 – Registration form



Number of Volunteers who participated in the litter survey

	Name	Sex	Age	Signature
1.	Bethalyn Kelly	F	18	
2.	Pethia Filo	F	18	
3.	Loise Hou	F	18	
4.	Rayna · W	F	22	
5.	Sipporah · P	F	18	
6.	Mary · M	F	15	
7.	Joyce · W	F	18	
8.	Mithlyn · K	F	16	
9.	Eilleen · M	F	23	
10.	Floruh Toitani	F	20	
11.	Ruby Ietety	F	8	R.I
12.	Edrick · Kini	M	25	
13.	Bentax	M	18	
14.	Solomon Waitroua	M	20	
15.	Jeromy Nauania	M	18	
16.	Bradly · Toitany	M	14	
17.	Wesley toitani	M	18	
18.	Sukulu Talo	M	28	
19.	Sussie Bobby	F	26	
20.	Radford Maeniuta	M	15	

	Name	Sex	Age	Signature
21.	Pijay	F	12	
22.	Rachel	F	12	
23.	Mercy Misibini	F	21	
24.	TRITIAN CLEMETO.O	M	19	
25.	Thompson Oswald	M	25	
26.	Alpheus albert	M	21	
27.				

Appendix 2 – Waste collection form

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the Litter Categories sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at app.litterintelligence.org. Tick the "In App" column once you have entered each row to avoid double entry.

Survey info

Survey Area: Matanikoo Coastal Area

Survey Date: 17/09/2022

Audit info

Audit Date: 17/09/2022 | Start Time: 10:30am

# of Auditors: 26 | End Time: 03:40pm

Plastic pellet assessment: A B C D (Circle one)

A = None seen along survey area, B = 1-10 seen along survey area
C = 10-100 seen along survey area, D = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL02	Bottles	Plastics	1,319	84000g	H	Tick
2	ME05	Gas Bottles	Gas Bottles	175	26,000g	H	Tick
3	ME04	Tuna Cans	Other gas and containers (less than equal to 4L)	480	21,000g	H	Tick
4	WD06	Coconut Shell	other wood	75	17,000g	H	Tick
5	GC03	Pieces of table wares	Table wares	45	5,000g	H	Tick
6	OT02	Diapers	Sanitary Items	205	23,000g	L	Tick
7	PC03	Disposal cup and plates	cups, food trays, plates, wrappers	45	3,600g	H	Tick
8	WD05		Wooden utensils	198	23,000g	H	Tick
9	WD06	Wood and sticks	other wood	146	13,000g	H	Tick
10	PL24	Detegent bottles	other plastics (empty bleach bottles)	90	3,000	H	Tick
11	PL04.01	Straw	Straw	39	500g	H	Tick
12	CL01.01	Slippers	Footwear & Shoes	21	2,000g	H	Tick
13	PL07	Plastic bags	Plastic Bags	244	19,000g	H	Tick
14	PL18	Fishing strings	Fishing line strings	162	26,000g	H	Tick
15	CL01	Cloths	Clothing, towels and linen	116	15,000g	H	Tick
16	CL05	Carpet	carpet and furnishing	61	5,000g	H	Tick
17	PC05	Playing cards	Other paper and cardboard (playing cards)	21	8,00g	H	Tick
18	PL24.03	clothes pegs	clothes pegs	51	2,000g	H	Tick
19	OT02.03	Faeces	Faeces	1 bag			Tick
20	OT05	Bettle nut husks	others	396	4,000g	H	Tick
21							
22							
23							
24							

INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP),* THE *PACIFIC OCEAN LITTER PROJECT (POLP), THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

WASTE MANAGEMENT AND CONTROL DIVISION (WMCD) OF HONIARA CITY COUNCIL

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Waste Management and Control Division (WMCD) of Honiara City Council.

Project Manager (and contact details):

Andrew Nixon Honihera
Email: andrewnixon030@gmail.com
Mobile: (+677) 7874588

Organisation Description and History:

Waste Management and Control Division (WMCD) of Honiara City Council was the mandated body that manages all the wastes within the Honiara City boundaries. The Waste Management & Control Division is established in 2019 and ever since is responsible for the Coordination of these eight units below;

1.**Waste Collection Unit**- Responsible for the overall collection of 10 zones within Honiara City and provide fleet of logistic support for waste collection and safe disposal at Ranadi Landfill Site.

2.**Sanitation Unit-** Responsible for managing sewage waste and provide logistic support for desludging of sewage waste and its safe disposal at the Ranadi Leachate pond site.

3.**Disaster Waste Resilience Unit-** Responsible for managing all risk related wastes such as, Disaster Wastes, Hazardous wastes, Bulky Wastes and provide logistic support for safe removal and disposal at Ranadi Landfill Site. Also responsible for assessing and monitoring the resilience of all of the organizational facilities to disaster and disaster wastes.

4.**Monitoring and Enforcement Unit-** Responsible for the implementation and enforcement of the *Litter Ordinance-By Law* which guide all business houses and residential areas in terms of litter management and safe disposal storage.

5.**Dog Control Unit-** Responsible for the implementation and enforcement of the *Dog Ordinance* and provide logistic support for removal of stray dogs, dog carcases and safe disposal at Ranadi Landfill site.

6.**Landfill Management Unit-** Responsible for the overall management and operations of the Ranadi Landfill Site. Also responsible for collection of tipping fee from the public vehicles, private vehicles and organisational vehicles that use Ranadi Landfill site to dispose their wastes.

7.**Awareness Unit-** Responsible for the dissemination of information around waste management and its best practices to the public at large. Provide relevant training on waste management best practices such as 3R/4R to Schools and Communities.

8.**Administration-**Responsible for the overall management and coordination of all the Units above, as well as all of office operation on gradual basis.

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The Activity was carried out in two different phases.

PHASE 1. (Day 1- Friday, 23rd September, 2022)

Consultation and Awareness with all the Leaders, Men and women of Karaina Community one day prior to activity. The areas covered during the Community Awareness are;

1. How Waste Management and Control Division (WMCD) of Honiara City Council (HCC) will conduct that clean-up together with Volunteer participants
2. Safety measure and guidelines on exit point in case of any disaster strike (e, g Tsunami) and also danger associated with different type of wastes especially waste that pose risk to overall human health.
3. The three (3R) concept and why it is important as well as the importance of waste segregation at the community or household level.
4. How to sort out waste and dispose them at the designated storage and location ready for final collection to Ranadi landfill site.
5. Cooperation with WMCD of HCC and the Volunteers who will participate in the ICC.

PHASE 2. (Day 2- Saturday, 24th September, 2022)

Actual Clean-Up activity carried out with data collected through waste audit before final collection to Landfill site.

- Starts with Opening Remarks and key briefing on safety rules and guidelines at the clean-up site
- Answers questions from participants and community participants regarding activity.
- Mark-Out the 100m by 20m survey area followed by clean-up which began around 10am and ended around 12pm.
- All wastes collected and sorted out separately into cabbage backs and containers for Auditing
- WMCD team keep record of wastes collected and entered the data into survey sheet template to be transferred later into Adhoc Survey sheet online.
- Wastes were then transferred to pick up location and loaded into collection vehicles
- Bulky wastes and others were loaded into Skip Bin (Large Storage) to be collected by the Skip Bin Vehicle later for final disposal at Ranadi Landfill site.
- All community participants and volunteer participants were offered light refreshment including sandwitches, cooked food, cold drink and water and fruits at the end of the clean-up.
- All the volunteer participants were dropped off by the Waste Management Vehicle at their various settlements as some of the volunteers lived on the out sketch of the City.
-

Note.

While the camera focused mainly on volunteer participants and the survey area or clean-up location, quite a large group of community participants inclusive of men, women, boys and girls also took part in that clean-up on the other side of the coastline area, but were not actually captured in all the footages and picture as they were not comfortable around camera, except for those who were willing. However, there participation was actually captured in the registration form

Location of the clean-up activity:

The Clean-Up Activity was conducted at Karaina Coastline Area, west of Honiara City.

Start Point: S -9.42338879
E 159.9211942

End Point: S -9.4233457
E 159.921976

Note:

The ICC clean-up was conducted on the specific location above identified by the WMCD/HCC team. However, the clean-up activity in general was not restricted to one particular location as the community participants had taken advantage of the opportunity and extended that clean-up to the other side of the survey area and also in and around their community areas. The Community wastes collected outside the survey area was not assessed and so stored in the large skip bin storage.

Timetable:

Waste Management & Control Division

(International Coastal Clean-Up Program)

DAY- Saturday 24th September, 2022)

TIME: 8:30am-12PM

TIME	ACTIVITY	FACILITATOR
8:30am – 9:30am	-All Volunteer Participants and Karaina Community Assemble at seafront. -Opening Remarks -Opening Prayer - Brief on Clean-Up safety guidelines and overall activity. - Explain designated area for waste storage (Skip Bins and Collection point)	WMCD/HCC Team leader, Community Chief and Chairman
9:30am – 10:00am	-Issuing out of T-Shirst -Registration of participants	WMCD Team
10:00am-12:00pm	-Clean-Up of Coastline - Sorting of Wastes - Waste Audit initiated -All wastes dispose into skip bin storage and storage point -All waste collected by WMCD Skip Bin and Tipper Truck for disposal at Ranadi Landfill Site	WMCD Team, Volunteers' Participants, Community participants, WMCD waste Collection Fleet.
12:00pm-12:30pm	-Light Refreshment - Final remarks and thank all community participants and volunteers' participants - Drop off all volunteer participants	WMCD Team

Number of participants: (Registration form in Appendix 1), including

- Women: 20
- Men:40
- Children (under 18 years old):

Site on arrival (add photos of the site):

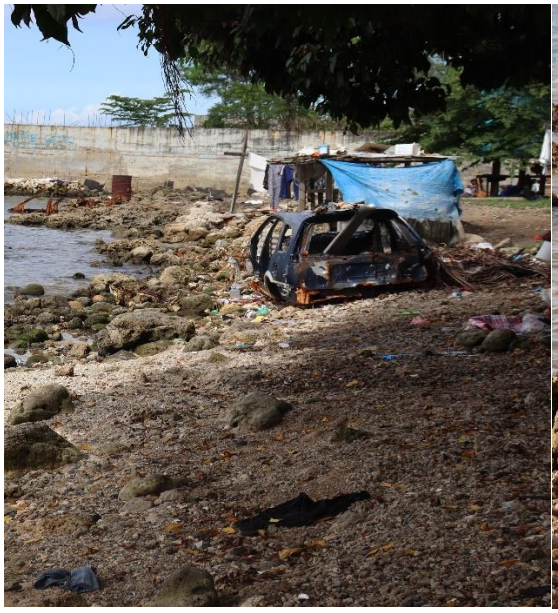


Figure 1.0 Before Clean-Up (West Side -Bulky Waste Present)

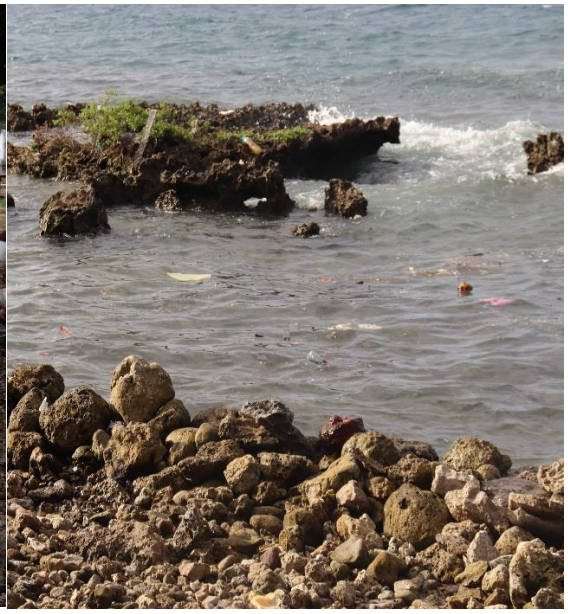


Fig 2.0 before Clean-Up (outside -Floating Debris)

Figure 3.0 Before Clean-Up (East Side) (Source; WMCD, 2022, all of above)

Site after the clean-up (add photos of the site):

Fig.4.0 After Clean-up (West Side--Bulky waste Removed)

Fig.5.0 After Clean-Up (Outside -No more floating Debris)

Fig.6.0 After Clean-Up (East Side) with Notice erected "KEEP BEACH CLEAN"-Source; WMCD,2022, all of above.

2.2. About the waste collected

Type of waste		Quantity (kg)*	Quantity (volume, nomber, etc.)*
METAL	Aluminium can drinks (Cheers)	0.87	58
	Butan gas bottle	4.41	42
PLASTIC	Pet Bottles	4.35	141
	Bottle Caps/Lids	0.26	88
	Food Cointainers	0.11	8
	Food wrappers	0.02	20
	Cigarettes butts	0.05	48
	Others (Diapers)	NA	8
GLASS AND CERAMIC	Glass, ceramic fragments	0.37	62
RUBBER	Flip flops	0.85	12
OTHERS	Wrecked Vehicle (Bulky)	Estimate (less<500kg)	1
		TOTAL= 500.268Kg	TOTAL= 484 items

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):

Fig.7.0 The WMCD/HCC Team held Awareness with Karaina Community Participant before the ICC Event

Fig.8.0 Marking out of Survey area and start to issue out Hand gloves, cabbage bags and T-Shirts

Fig.9.0 Clean-Up commence at Karaina Coastline (Source; WMCD, 2022, all of above)

Fig.10. Removal of Bulky wastes using Electric grinder and other heavy wastes to yellow Skip Bin storage site

Fig.11.0 WMCD Project Manager (Andrew), Capturing Waste Data (Source; WMCD,2022 all of above)

Fig.12.0 All waste transferred into collection vehicle to be disposed at Ranadi Landfill Site.

Fig.13.0 WMCD Team fuelling up Excavator at Ranadi Landfill site (a day prior) to help out in compacting all waste collected from the ICC (Source; WMCD, 2022, all of the above)

Appendix 1 – Registration form

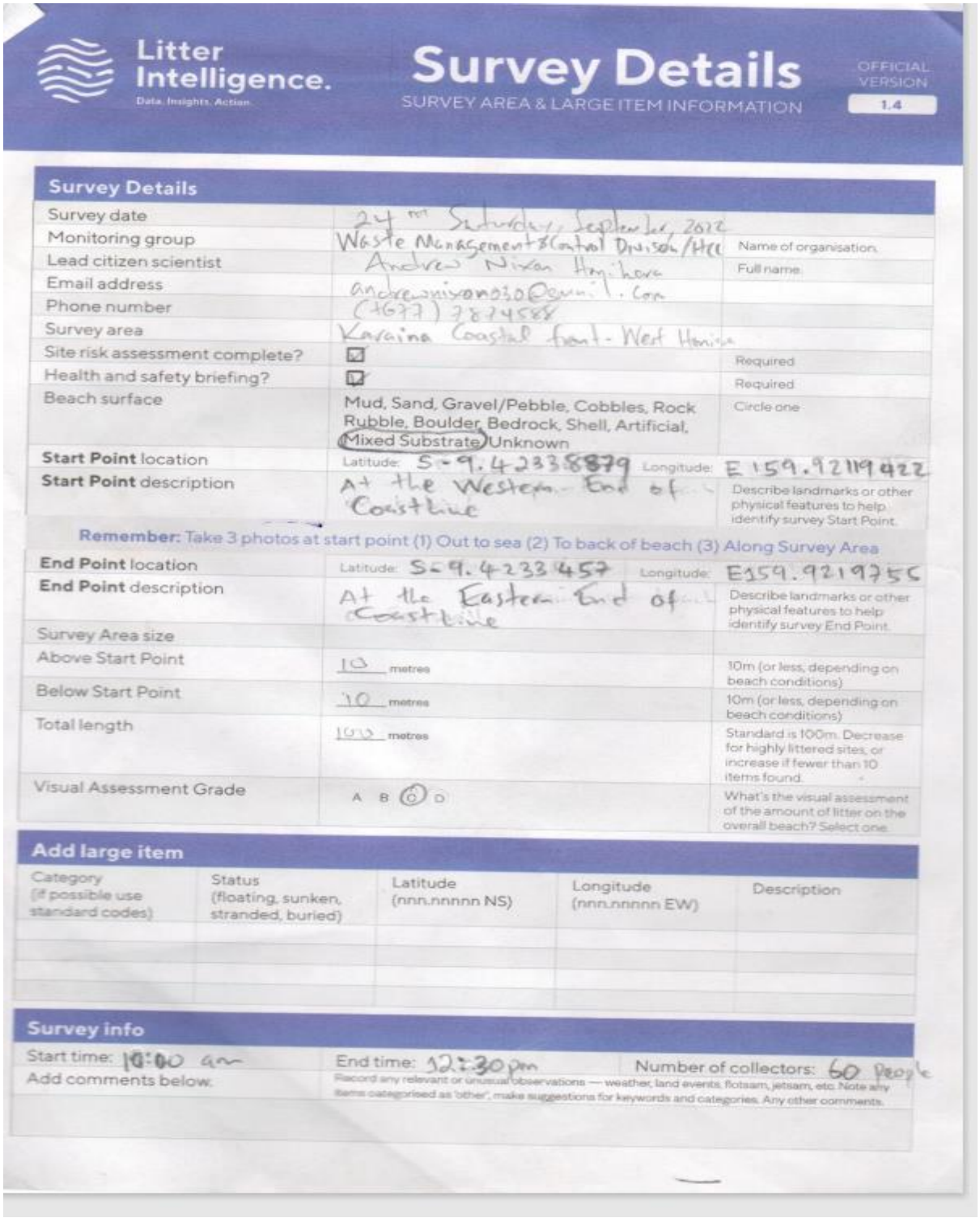
INTERNATIONAL COASTAL CLEAN-UP DAY- Saturday 24th September, 2022 - (Registration Form)

#	FULL NAMES	M/F	COMMUNITY/VOLUNTEER/ORGANIZATION	SIGNATURE
1	CECIL TANGUA	M	KARAINA COMMUNITY	
2	Jonathan Bia	M	Karaina ✓	
3	Jerry Teikamata	M	Chair – Karaina Community	
4	BASIL TAVAKE	M	CHIEF – 〃	
5	George Dafil	M	Karaina Community	
6	MATHEW MAIYO	M	〃	MA
7	Thompson Rikuhu	M	〃	
8	Jaunie Davino	M	〃	
9	Junior Nindy	M	〃	
10	Ady Kamai	M	〃	
11	Catchist Duglas Kailo	M	〃	
12	Anita Kef	F	〃	
13	Jorcyclyn Teikamata	F	〃	
14	ELIZABETH KAILO	F	〃	EK
15	Sarah Dafil	F	〃	
16	VIOLET IKU	F	〃	
17	Hariet Iku	F	〃	
18	Hanele Dockey	F	〃	
19	MIRIAM KAY	F	〃	
10	Evalyn James	F	〃	
11	AGNES LAPUANDO	F	〃	
12	Josephine Moe'angoh	F	〃	
13	Nurrie Tekamata	F	〃	
14	Catherine Dawla	F	〃	
15	LYDIA D'ENDAMI	F	〃	
16	Catherine Koka	F	〃	
17	DELMA REKOAFULE	F	VOLUNTEER PARTICIPANT	
18	Agnes Votin	F	〃	
19	Jewin Maga	F	WMCD/HCC	
20	Checksea Hou	F	WMCD/HCC	
21	Francis Fiku	M	WMCD/HCC	
22	Andrew Hou	M	WMCD/HCC	
23	William Odela	M	WMCD/HCC	
24	Jacob Lavery	M	WMCD/HCC	
25	Simon John	M	WMCD/HCC	
26	James O'ota	M	Driver/WMCD/HCC	
27	Elton Jimiga	M	Driver/WMCD/HCC	
28	LILLY TEIKAMATA	F	VOLUNTEER	
29	Sharlyn Kamane	F	〃	
30	Jestael Murphy	F	〃	
31	ALICE SIMATENAN	F	〃	
32	Daisy Mary Tepale	F	〃	
33	Wallace Rifitia	M	〃	
34	BILLY BAERODO	M	〃	
35	FRANKLIN FIUTA	M	〃	

INTERNATIONAL COASTAL CLEAN-UP DAY- Saturday 24th September, 2022 - (Registration Form)

36	DunaDash Rasomo	M	Volunteer Participant	[illegible]
37	Alphanes Granea	M	"	[illegible]
38	ALFRED	M	"	[illegible]
39	Shane ward	M	"	[illegible]
40	Rinto TONA	M	"	[illegible]
41	Clive Kabei	M	"	[illegible]
42	CLEMENT HADO	M	"	[illegible]
43	Faye Initiri	F	"	[illegible]
44	Mirriam Iqgini	F	"	[illegible]
45	JEFF MANU	M	"	[illegible]
46	Eddian Dela	M	"	[illegible]
47	Brandon Seru	M	"	[illegible]
48	Bethlyn Nivn	F	"	[illegible]
49	Joanna Sireti	F	"	[illegible]
50	Selwyn Raeke	M	"	[illegible]
51	Augustine Ha'apo	M	"	[illegible]
52	Aaron Seimaika	M	"	[illegible]
53	Rebby basia	F	"	[illegible]
54	Timothy Steneth	M	"	[illegible]
55	Daniel Alon	M	"	[illegible]
56	Maxwell Junior	M	"	[illegible]
57	James Meclo	M	"	[illegible]
58	Peter Kebley	M	"	[illegible]
59	HAMILTON AUTE	M	"	[illegible]
60	Benedict Haga	M	"	[illegible]

Appendix 2 – Waste collection form



Litter Intelligence.
Data. Insights. Action.

Survey Details

SURVEY AREA & LARGE ITEM INFORMATION

OFFICIAL VERSION 1.4

Survey Details

Survey date	24th Saturday, September, 2022	
Monitoring group	Waste Management & Control Division/HCC	Name of organisation
Lead citizen scientist	Andrew Nivan Honihova	Full name
Email address	andrewnivan030@gmail.com	
Phone number	(677) 7874588	
Survey area	Kakaina Coastal front - West Honiara	
Site risk assessment complete?	☑	Required
Health and safety briefing?	☑	Required
Beach surface	Mud, Sand, Gravel/Pebble, Cobbles, Rock Rubble, Boulder, Bedrock, Shell, Artificial, (Mixed Substrate) Unknown	Circle one
Start Point location	Latitude: S-9.42338879 Longitude: E 159.92119422	
Start Point description	At the Western End of Coastline	Describe landmarks or other physical features to help identify survey Start Point.

Remember: Take 3 photos at start point (1) Out to sea (2) To back of beach (3) Along Survey Area

End Point location	Latitude: S-9.4233457 Longitude: E159.9219755	
End Point description	At the Eastern End of Coastline	Describe landmarks or other physical features to help identify survey End Point.
Survey Area size		
Above Start Point	10 metres	10m (or less, depending on beach conditions)
Below Start Point	10 metres	10m (or less, depending on beach conditions)
Total length	100 metres	Standard is 100m. Decrease for highly littered sites, or increase if fewer than 10 items found.
Visual Assessment Grade	A B (C) D	What's the visual assessment of the amount of litter on the overall beach? Select one.

Add large item

Category (if possible use standard codes)	Status (floating, sunken, stranded, buried)	Latitude (nnn.nnnnn NS)	Longitude (nnn.nnnnn EW)	Description

Survey info

Start time: 10:00 am End time: 12:30 pm Number of collectors: 60 People

Add comments below.

Record any relevant or unusual observations — weather, land events, flotsam, jetsam, etc. Note any items categorised as 'other', make suggestions for keywords and categories. Any other comments.

Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Karaina Coastline Area
Survey Date: 24/09/22

Audit info

Audit Date: 24/09/22
# of Auditors: 4
Start Time: 11:30
End Time: 12:30

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1-10 seen along survey area
C = 10-100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	ME03	Metal	Aluminum Baking Cans (Cheers Drink)	58	15g	H	✓
2	PL01	Plastic	Bottle Caps/Lids	88	35	H	✓
3	PL11	Plastic	Cigarette butts	48	15	H	✓
4	PL06	Plastics	Coffee bottle (100g net weight)	4	269g	H	✓
5	PL16	Plastic	Plastic sheeting - poly mailo plastic	16	2g	H	✓
6	PL06	Plastic	PET Bottle < = 2L	87	37g	H	✓
7	PL06	Plastic	PET BOTTLE < = 1L	54	21g	H	✓
8	GC07	Glass/Ceramic	Broken glass - Glass or ceramic fragments	62	<6g	H	✓
9	ME03	Metal	Butane gas	42	105g	L	✓
10	RB02	Rubber	Flip flops	12	719	H	✓
11	OT05.01	Other	Wreck vehicle (NO scale to measure)	1	–	–	✓
12	OT02	Other	Diapers	8	–	–	✓
13	PL16	Plastic sheets	- Empty mailo	12	2g	H	✓
14	PL04	Plastic utensils	Forks	16	6g	H	✓
15	PL06	Plastic	Butter Container	8	14	H	✓
16	PL07.01	Plastic	food wrapper - Plastic Noodle	20	1g	H	✓
17	PL07.01	plastic	Single use plastics bags	18	7g	L	✓
18							
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INTERNATIONAL COASTAL CLEAN-UP DAY 2022

IN COLLABORATION WITH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS IN THE PACIFIC PROJECT (SWAP)*, THE *PACIFIC OCEAN LITTER PROJECT (POLP)*, *THE KIOST PACIFIC OCEAN ACIDIFICATION PROGRAMME*

AND

PACIFIC OCEAN LITTER YOUTH PROJECT AND SUVA HARBOUR FOUNDATION

SEPTEMBER 2022

1. INFORMATION ON THE FUNDING BENEFICIARY ASSOCIATION

Organisation Name: Suva Harbour Foundation / Pacific Ocean Litter Youth Project

Project Manager (and contact details): Bill Lockwood fijilockwood@gmail.com

Organisation Description and History:

POLYP is a youth collective that seeks to collect and categorize marine litter in Fiji using science and art to catalyze behavioural change for consumers and producers and inform policy. The project objectives are to alter societal paradigms around marine litter pollution by getting youth involved in coastal clean-up campaigns, coastal litter assessments, advocacy through storytelling and art, conducting research on the coastal litter characteristics, brand audits and lobbying for decision-makers to take decisive steps toward combatting marine litter pollution.

The Suva Harbour Foundation (SHF) was founded in 2004 to improve the environment of the harbour. The SHF attempts to highlight harbour environmental issues and focus public attention on ways to make improvements. In the medium-term future, the Suva Harbour Foundation will focus on rapid responses to deal with urgent issues such as oil spills, the imminent sinking of vessels, and acute sources of pollution, while also carrying out ongoing public awareness programmes."

2. ABOUT THE CLEAN-UP DAY

2.1. Overall information

Description of the activity:

The event began with a signing of a registration form and a briefing to all participants at 08:00. By 08:30 the participants had proceeded to one of the 3 coastal cleanup locations and collected waste within demarcated zones. At 10:00 all participants had returned to the staging area and the waste was counted, weighed and sorted. Occurring simultaneously to this was a marine litter art project. Both activities concluded at 11:30 and by 12:00 all of the participants had dispersed. A total of 651 kilograms of rubbish was collected. Due to the sheer scale of the rubbish collected along the 3 zones, only 1 zone's collection was audited using the Litter Intelligence Audit Data Sheets.

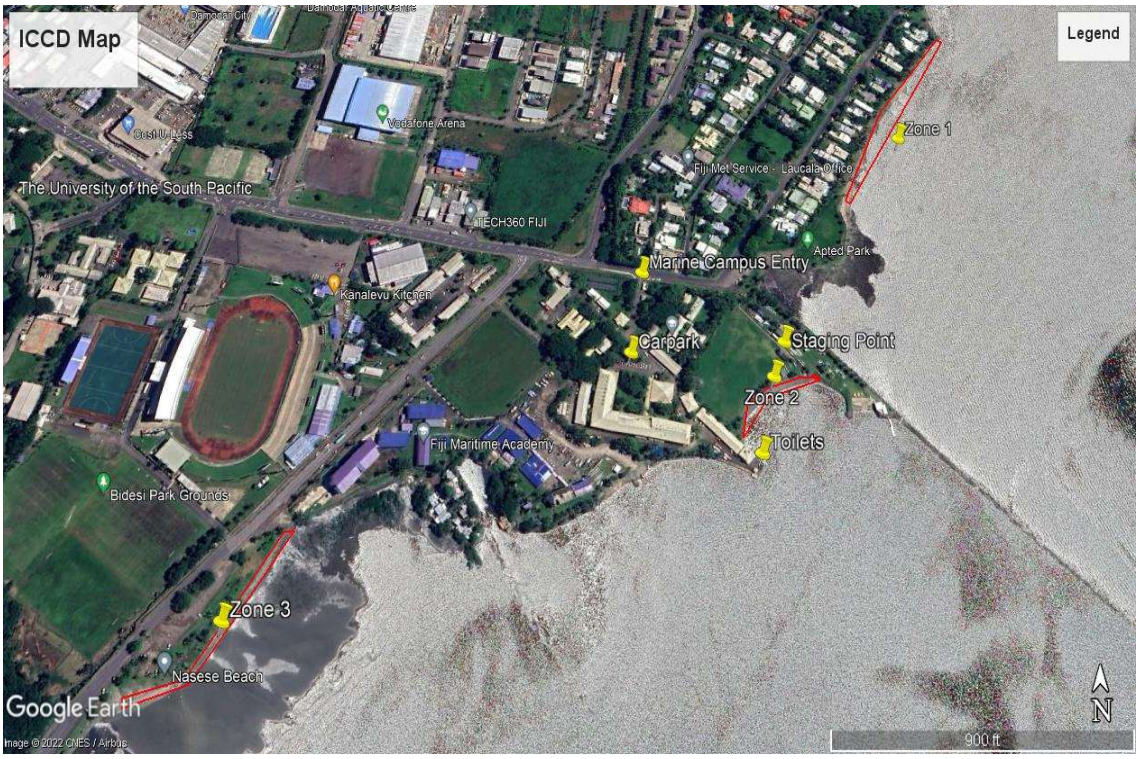
Location of the clean-up activity:

Staging Area: USP Marine Campus

Zone 1: Apted Park, Suva Point

Zone 2: USP Marine Campus Foreshore

Zone 3: Fiji National University Maritime Center Foreshore.



Number of participants: (Registration form in Appendix 1), including

- Women: 48
- Men: 32
- Children (under 18 years old): 25

Site on arrival (add photos of the site):

Site after the clean-up (add photos of the site):

2.2. About the waste collected

Type of waste	Quantity (kg)*	Quantity (volume, number, etc.)*
PET	30	180
Household wastes	361	1630
Large Plastic Items	53	24
General Waste	157	2000+
Others	50	1270
TOTAL	**651**	**5104**

* Use the most appropriate column according to the type of waste

(Waste collection form in Appendix 2).

Photographic coverage of the event (Insert photos of the event and waste collected):


DONE BY:
- S.R
- OP.
- A.D

Appendix 1 – Registration form

Registration Form

	Name	Organization/Club	Sign
1	Rohit R Chand	Waste Recyclers (Fiji) Pte Ltd	[signature]
2	Akosita Tailasa	"	[signature]
3	Prithvi S. Mishra	Waste Recyclers (Fiji) Pte Ltd	[signature]
4	Tom	"	[signature]
5	Tanya	Waste Recyclers / PRF	[signature]
6	Adi Vakacegu	waste "	[signature]
7	Sheldon	" "	[signature]
8	Rina	" "	[signature]
9	Rifka	" "	[signature]
10	Rayeli	SPC	Rina
11	Adi	SPC	
12	Wise	SPC	
13	Dinah	SPC	
14	Esther	SPC	
15	Safima	SPC	
16	Esther	"	[signature]
17	Asenaca	"	
18	Vilisi	"	
19	Miriama R	"	[signature]
20	Dean S	"	[signature]
21	Christina H	"	
22	Angeline H	"	
23	Ludovic	"	[signature]
24	Jessica	"	
25	Dunella	"	
26	Sam	"	
27	Gina	"	
28	Kaita S	SPC	[signature]
29	Adarshika		[signature]
30	Ollie Zoti	USP Islanders Club	[signature]
31	Norman Moseke	USP Islanders OCC	[signature]
32	Gemma Escott	SPC x 4	[signature]
33	Markos Nifakos	SPC x 2	[signature]
34	Dhanjay Deo	Waste Recyclers Fiji	[signature]
35	Peni Waiminale.	USP	[signature]
36	Rufino Varea	USP	[signature]
37	Merelesita Fong	Takia / Polyp / Wantok	[signature]
38	Jone Vacagaua	USP / POLYP / Islander	[signature]
39	Sophia Ravai	USP / polyp / Wantok / Islanders	[signature]
40	Laisani Kamikamica	Wantok	[signature]
41	Ratu Anare R. Daveta...	USP ISC / POLYP / USPSA.	[signature]
42	Sewara Rayawa	USP / Polyp	[signature]
43	Naisilia Sevakaniva	USP / Wantok POLYP / USP IS.	[signature]
44	Makayla Hatter	USP Islanders	[signature]
45	Jacqui Berrell.	SPC	[signature]
46	Ian Fierch	SPC	[signature]

Registration Form

47	Elenoa Vateitei	Takia Club	E.V
48	Iba Tuinafeke	✓	T.T
49	Taine Reiher	✓	T.R
50	Meriam Lockstein	USP Paddlers	M.L
51	Bill Lockwood	Suva Harbour Foundation	[illegible]
52	Annabelle Whippy	USP Islanders	[illegible]
53	MASILINA KOLOBA	✓	[illegible]
54	Rotan Gosami (+1)	SPC	[illegible]
55	Tessa Hughes		[illegible]
56	William Domonatani	Bilale Swim Club	
57	Kurt Johns		
58	Kortia Dyer		
59	Ellisa Dyer		
60	Zephaniah Sela		
61	Joseph Sela		
62	Mataia Domonatani		[illegible]
63	Isaiah Domonatani		
64	Charith Mendis		
65	Roxanne Kirerok		
66	Allana Kirerok		
67	Martine Kirerok		
68	Tammi Domonatani		
69	Jennifer Liew		
70	Asenaca Soliwadeitini	USP Islanders	[illegible]
71	Allison Paris	POLP	[illegible]
72	Kusitino Ratucoko	Takia Outrigger	
73	Mika Naduva	✓	[illegible]
74	Sholvindra Prasad	Takia Outrigger	[illegible]
75	Sadie Ismaila	SPC	
76	Donnelle Kiri		[illegible]
77	Marikase Kiri		
78	Lidia Kiri		
79	Sam Kiri	SPC	
80	Nacaniel Nacela	ANZ	[illegible]
81	Ledua Waqalgalo	✓	[illegible]
82	Fejola Reki	✓	[illegible]
83	Wainona Waqalgalo	✓	[illegible]
84	Elesi Tadulala	ANZ	[illegible]
85	Danielle Whiteside	SEREIN Real Estate	[illegible]
86	Ima Lidise	SEREIN REAL ESTATE	[illegible]
87	Subashni Narayan	~~ROE~~ ROD Coordinating	[illegible]
88	Pravina Wah		
89	Joe Adriel Wah		[illegible]
90	Nimisha	Team INC.	
91	Rayan	RDG ambassador	
92	Krystal		
93	Aryan		

Registration Form

94	Joshua.		[illegible]
95	Isoa.	JNC	
96	Ruth.		
97	Steven		
98	Hefu.	Ko ROG	
99	Filomena.	Ambassadors	
100	Margaret		
101	Tekasa.		
102	Aileen Melissa, Joe	JNC – supporters	
103	Pannitmi, Arani	ROG.	[illegible]
104	[illegible]	USP Islanders	
105	Sitiveni M	USP Islanders	
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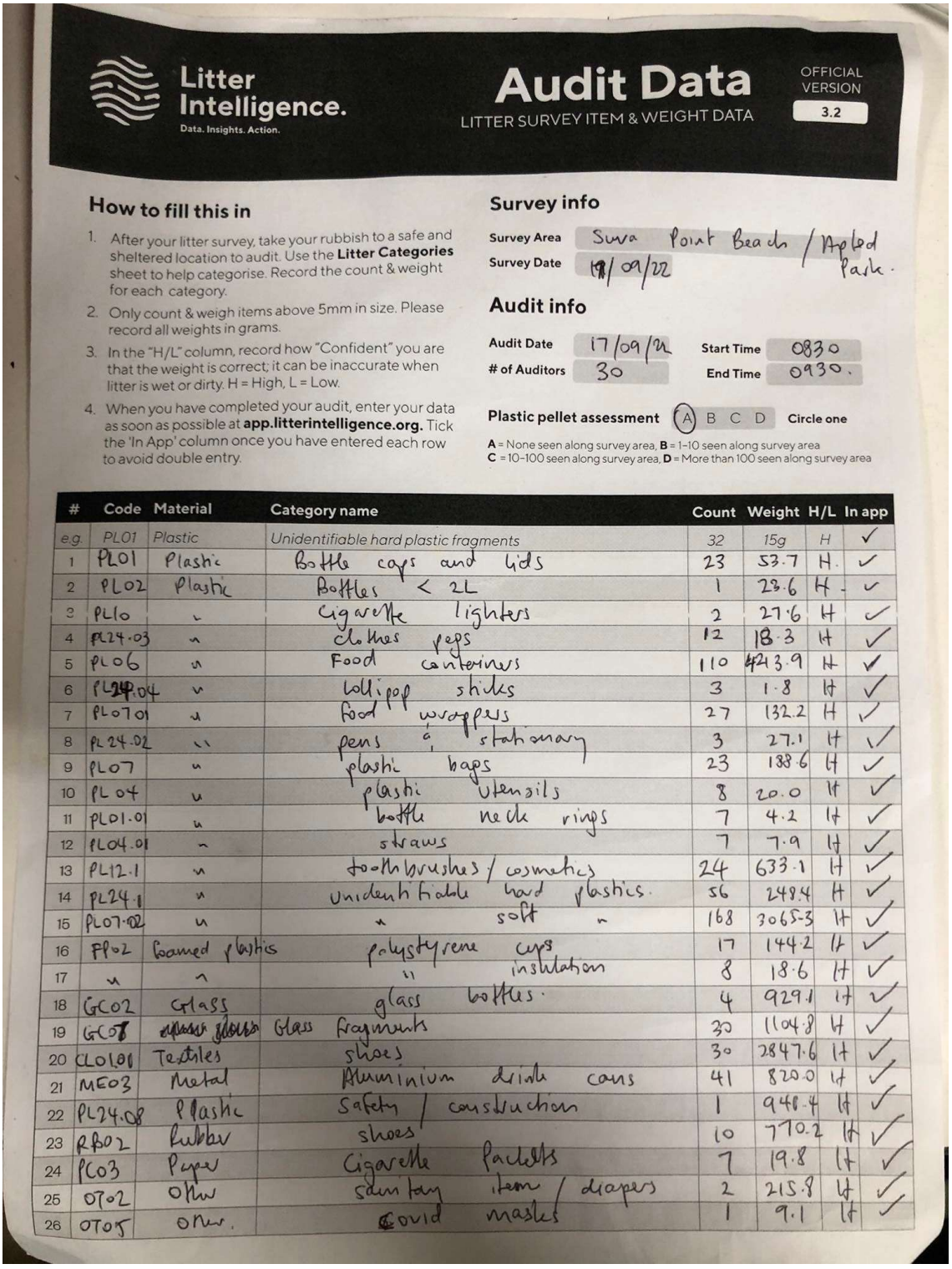
Appendix 2 – Waste collection form



Litter Intelligence.
Data. Insights. Action.

Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Suva Point Beach / Appled Park.
Survey Date: 17/09/22

Audit info

Audit Date: 17/09/22 — Start Time: 0830
# of Auditors: 30 — End Time: 0930.

Plastic pellet assessment: (A) B C D — Circle one

A = None seen along survey area, **B** = 1–10 seen along survey area
C = 10–100 seen along survey area, **D** = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01	Plastic	Bottle caps and lids	23	53.7	H	✓
2	PL02	Plastic	Bottles < 2L	1	23.6	H	✓
3	PL10	"	Cigarette lighters	2	27.6	H	✓
4	PL24.03	"	clothes pegs	12	18.3	H	✓
5	PL06	"	Food containers	110	4213.9	H	✓
6	PL24.04	"	lollipop sticks	3	1.8	H	✓
7	PL07.01	"	food wrappers	27	132.2	H	✓
8	PL24.02	"	pens & stationary	3	27.1	H	✓
9	PL07	"	plastic bags	23	188.6	H	✓
10	PL04	"	plastic utensils	8	20.0	H	✓
11	PL01.01	"	bottle neck rings	7	4.2	H	✓
12	PL04.01	"	straws	7	7.9	H	✓
13	PL12.1	"	toothbrushes / cosmetics	24	633.1	H	✓
14	PL24.1	"	Unidentifiable hard plastics.	56	248.4	H	✓
15	PL07.02	"	" soft "	168	3065.3	H	✓
16	FP02	Foamed plastics	polystyrene cups	17	144.2	H	✓
17	"	"	" insulation	8	18.6	H	✓
18	GC02	Glass	glass bottles.	4	929.1	H	✓
19	GC08	~~Plastic glass~~ Glass	fragments	30	1104.8	H	✓
20	CL01.01	Textiles	shoes	30	2847.6	H	✓
21	ME03	Metal	Aluminium drink cans	41	820.0	H	✓
22	PL24.08	Plastic	Safety / construction shoes	1	948.4	H	✓
23	RB02	Rubber		10	770.2	H	✓
24	PC03	Paper	Cigarette Packets	7	19.8	H	✓
25	OT02	Other	sanitary item / diapers	2	215.8	H	✓
26	OT05	Other.	Covid masks	1	9.1	H	✓

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Audit Data

LITTER SURVEY ITEM & WEIGHT DATA

OFFICIAL VERSION 3.2

How to fill this in

1. After your litter survey, take your rubbish to a safe and sheltered location to audit. Use the **Litter Categories** sheet to help categorise. Record the count & weight for each category.
2. Only count & weigh items above 5mm in size. Please record all weights in grams.
3. In the "H/L" column, record how "Confident" you are that the weight is correct; it can be inaccurate when litter is wet or dirty. H = High, L = Low.
4. When you have completed your audit, enter your data as soon as possible at **app.litterintelligence.org.** Tick the 'In App' column once you have entered each row to avoid double entry.

Survey info

Survey Area: Zone 2. USP Foreshore

Survey Date: 17/09/22

Audit info

Audit Date: 17/09/22 — Start Time: 10.15am

# of Auditors: 11 — End Time: 11.40am

Plastic pellet assessment A B C D Circle one

A = None seen along survey area, B = 1-10 seen along survey area
C = 10-100 seen along survey area, D = More than 100 seen along survey area

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
1	PL01		Bottle caps & lids	143	61.81	H	
2	PL02		Bottles < 2L	31	195.7	H	
3	PL10		Cigarette lighters	3	36.7	H	
4	PL24.03		Clothes Pegs	51	106.9	H	
5	PL06		Food Containers	35	647.8	H	
6	PL07.01		Food Wrappers	200	771.4	L	
7	PL24.04		Lolly pop sticks	11	28.6	H	
8	PL24.02		Pens & Stationery	14	62.7	H	
9	PL07		Plastic Bags	42	113.05	H	
10	PL19		Rope	16	32	H	
11	PL04.01		Straws	14	47.9	H	
12	PL24.01		Unidentifiable hard plastics frag	63	355.7	H	
13	PL07.02		" soft plastic fragments	210	482.5	H	
14	FP04	Foamed	Polysty insulat or packaging	170	209.5	H	
15	CL05	Fabric & tex	Carpet & furnishing	3	8310	L	
16	CL01		Clothing, towels & linen	17	221.09	L	
17	CL04		Rope, Line or String	4	32.9	H	
18	GC02	Glass & Ceramic	Bottles & Jars	8	310.97	H	
19	GC07		Glass or ceramic fragments	39	871.1	H	
20	ME03	Metal	Aluminium Drink cans	3	3114	H	
21	ME09		Construction material	15	3274.3	H	
22	RB05	Rubber	Inner-tubes & rubber sheet	3	513.9	H	
23	RB02		Rubber footwear	12	1270.5	L	
24	RB04		Tyres	13	248.6	H	
25	RB08.01		Unidentifiable Rubber fragments	10	367.5	H	
26	WD04	Wood	Processed Timber	13	825.28	H	
	OT02	Other	Sanitary items	19	11280	L	

Litter Intelligence.

Audit Data OFFICIAL VERSION 3.2

#	Code	Material	Category name	Count	Weight	H/L	In app
e.g.	PL01	Plastic	Unidentifiable hard plastic fragments	32	15g	H	✓
27	PL12-1		Cosmetics & medical packaging	3	66.5	H	
28	PL04		Plastic Utensils	6.	46.3	H.	
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