

**THE SECRETARIAT OF THE PACIFIC REGIONAL
ENVIRONMENT PROGRAMME**

**THROUGH THE *COMMITTING TO SUSTAINABLE WASTE ACTIONS
IN THE PACIFIC (SWAP) PROJECT***

**IN COLLABORATION WITH THE MINISTRY OF NATURAL
RESOURCES OF SAMOA**



31 SPREP MEETING – SWAP SIDE EVENT

CLEAN-UP ACTIVITY AT MOATA'A VILLAGE

Contents

Contents.....	1
Table of Figures.....	1
Table of Tables.....	Error! Bookmark not defined.
1. INTRODUCTION	2
2. ABOUT THE CLEAN-UP ACTIVITY.....	3
2.1 Information.....	3
2.2 Agenda.....	4
2.3 Participants.....	4
2.4 Photographic coverage of the event:	5
2.5 About the Waste Survey and Audit	9
Appendix 1 – Registration form	
Appendix 2 – Raw Data on Collected Waste	

Table of Figures

Figure 1: Volunteers who participated in the clean-up activity at Moata’a Village	5
Figure 2: Location of Moata’a Village and the survey area, Upolu, Samoa	10
Figure 3: Diagrams of the repartition of waste by type of material, in terms of items (left) and weight (right), collected at Moata’a Village on September 2, 2023.....	11
Figure 4: Repartition of waste by type, in terms of items collected at Moata’a Village on September 2, 2023	11
Figure 5: Repartition by type of waste collected at Moata’a Village on September 2, 2023, in terms of weight	11



1. INTRODUCTION

Marine pollution is the result of harmful chemicals entering the ocean, polluted wastewaters, industrial, agricultural and residential waste, garbage from ships, and the spread of invasive organisms. A major source of marine pollution is related to plastics intentionally thrown from shore or boats, or are unintentionally carried by winds or streams. This is a global, intergenerational and transboundary issue that negatively affects the environment, people and coastal economies around the world.

A report by the Ellen MacArthur Foundation has revealed that there are now over 150 million tonnes of plastics in the oceans. That's about one tonne of plastics for every three tonnes of fish. If the trend continues, plastics will outweigh fish in the oceans by 2050.

Pacific islands are particularly vulnerable to the impacts of marine litter, due to the particular value and sensitivity of their coastal environments.

The International Coastal Cleanup Day is an annual which aims to address Marine Litter. The event is organized by Ocean Conservancy¹, a nonprofit environmental advocacy group based in Washington, D.C., United States which 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.

Working to support our Pacific islands to ensure a healthy and sustainable environment, SPREP² has been engaged in the International Coastal Cleanup Day since 2021 through the ‘Committing to Sustainable Waste Actions in the Pacific’ (SWAP) Project funded by the Agence française de développement³ (AFD). As part of the 31 SPREP Meeting, SWAP together with the Ministry of Natural Resources and Environment supported a clean-up activity with the community of Moata’a Village on Saturday 2 September 2023. This report is to present the results of the clean-up activity.

As such, SPREP and the SWAP Team acknowledge:

- Moata’a Vilage Chief Council, Aualuma, Komiti Tina ma Tamaitai, Feletua ma Tousi and Lenatai Victor Tamapua, Member of Parliament for their engagement in preparing the clean-up activity;
- Ministry of Natural Resources and Environment for their assistance in organising the event for their continuous support in implementing the SWAP in Samoa;
- SPREP colleagues and delegates for giving a hand to keep Samoa beautiful;
- Agence française de développement for making this event possible;
- Community of Moata’a Village for hosting the clean-up; and
- All the volunteers for making this day a success.

¹ <https://oceanconservancy.org/>

² <https://www.sprep.org/>

³ <https://www.afd.fr/fr>

2. ABOUT THE CLEAN-UP ACTIVITY

2.1 Information

30
Sustainable,
transformative,
and resilient for a
Blue Pacific
**SPREP
PROE**

SWAP PROJECT 31SM SIDE EVENT

BEACH CLEAN UP AT MOATA'A VILLAGE

Data.
Insights.
Action.
Litter
Intelligence

Taumeasina Beach September 2, 2023 2:00PM

Sausage sizzle
& drinks provided

SWAP
Sustainable Waste Actions in the Pacific

AFD
AGENCE FRANÇAISE
DE DÉVELOPPEMENT



2.2 Agenda

Date: 2 September 2023

Timetable:

AGENDA		
Time	Topic	Resource Person
1:30pm – 2:00pm	Registration	SWAP Team
2:00pm – 2:05pm	Prayer	Moata’a Village
2:05pm – 2:10pm	Opening remarks	Ms Easter Chu Shing Deputy Director General SPREP
2:10pm – 2:15pm	Opening remarks	Ms Katenia Rasch ACEO Waste Management & Pollution Contrôle Division MNRE
2:15pm – 2:20pm	Opening remarks	Moata’a Village
2:20pm – 2:30pm	Briefing on how to conduct a safe clean-up	Julie Pillet SWAP coordinator
2:40pm – 2:45pm	Group Photo	All participants
2:45pm – 2:45pm	Repartition in groups	SPREP/SWAP Team
2:45pm – 3:45pm	Group 1 – Beach clean-up Group 2 – Survey Area picking up	All participants
3:45pm – 4:30pm	Group 1 – Beach clean-up Group 2 – Waste Audit	All participants
4:30pm	Refreshment	All participants

2.3 Participants

Number of participants: 112 people, including (See Registration Form in appendix 1)

- 60 Women
- 52 Men





Figure 1: Volunteers who participated in the clean-up activity at Moata’a Village

2.4 Photographic coverage of the event:

Opening remarks



Clean-up Activity 1



Clean-up Activity 2





Waste Audit



2.5 About the Waste Survey and Audit

The clean-up activity conducted on September 2, 2023 at Moata’a Village was also an opportunity to carry out a statistically reliable waste survey and audit during a beach clean-up using the United Nations Methodology.

Location:





Figure 2: Location of Moata’a Village and the survey area, Upolu, Samoa

Survey area:

- Start Point:
 - Latitude: -13.83601
 - Longitude: -171.74345
- End Point:
 - Latitude: -13.83691
 - Longitude: -171.74331
- Length: 100m
- Width:
 - Above: 10m
 - Below: 1m

Results of the waste audit

During this waste audit, 498 items weighing 44.1 kilogrammes of waste were collected. The results of the waste audit shows that plastic items accounting for 81% of the litter collected from the survey area, including 147 unidentified soft plastic fragments and 114 plastic bags out of 404 plastic items. In terms of weight, the most common material is also plastic accounting for 38.1% of the litter collected from the survey area.

The diagrams below show the repartition of waste by type of material, in terms of items collected and weight.

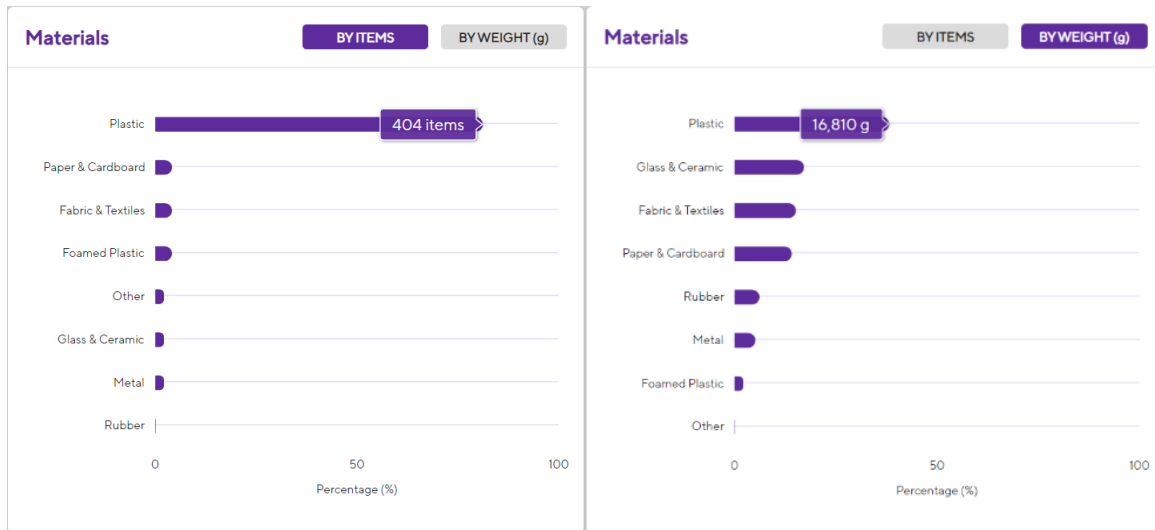


Figure 3: Diagrams of the repartition of waste by type of material, in terms of items (left) and weight (right), collected at Moata’a Village on September 2, 2023

The repartition of waste by type is shown in the figures below, by items collected and weight.

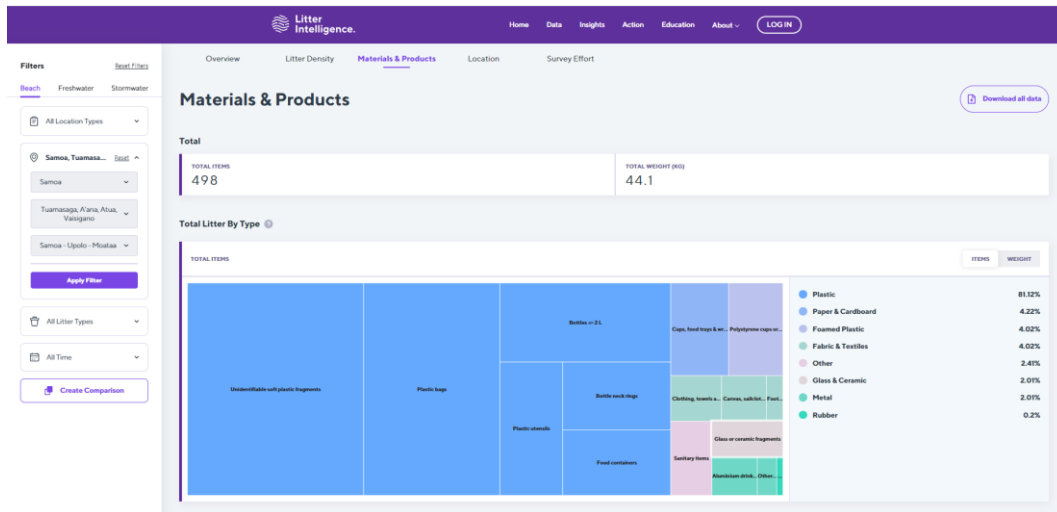


Figure 4: Repartition of waste by type, in terms of items collected at Moata’a Village on September 2, 2023

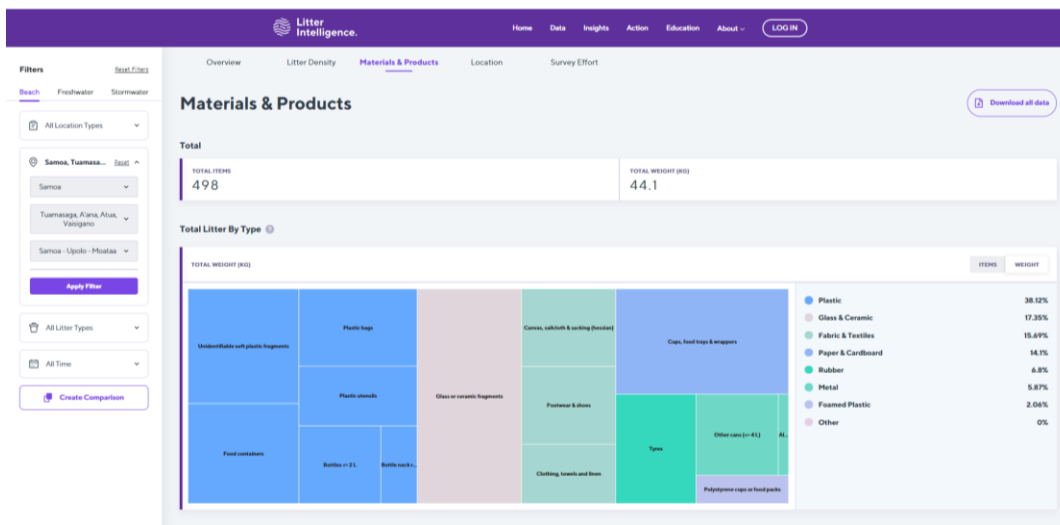


Figure 5: Repartition by type of waste collected at Moata’a Village on September 2, 2023, in terms of weight



The detailed data is gathered in the tables below (Part 5, this report) and is available online on the Litter Intelligence Application: <https://litterintelligence.org/data/survey?id=2663>.

The raw data is shared on Appendix 2.




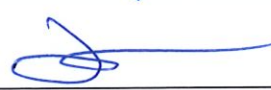







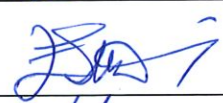


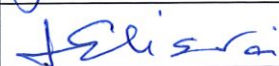
Appendix 1 – Registration form



Date: September 2, 2023

SWAP PROJECT - 31SM SIDE EVENT

Moata'a Village

Name	Gender	Signature
Malagi Samoa	Female	
Julie Trankuk	Female	
Susan McErlain	F	
Malele Niko.	F.	
Vaaga Senora	M	
Tute Lenuaiki	F.	
Olafagi O.	F	
Regina Lenuaiki	F	
Aue. Siliaga.	F.	
Elisapeta T.	F	
Taapōpo H.	F	
Faivale Lenuaiali	F.	
Leitnaka, Elisara.	F	

Kesiu Laasaga	Female	Kh.
Ana Nua Poutoa	Female	AD
	Male	AD
Sambaula Keni Leno	Female	AD
Epenesa Levaa	Female	AD
Vaava Pata.	Female.	AD
Fola P.	Male	Fola P.
Siliaga A.	Male.	Jh.
SIFANUA TIMOTEO	MALE	AD Timoteo
Nua Aleki	Male.	Aleki
Tulatao	Male	AD Tulatao
Tapuafofua.	m.	AD Tapuafofua
Fanku. Siki T.	m.	AD Fanku
Yeimalelele	AD Yeimalelele	AD
Nua Palala.	Male.	Palala.
Leoo Tusitafa.	Male.	Li.
Talivale	Male.	Talivale.

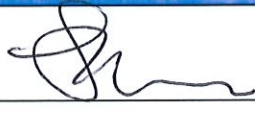
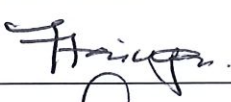
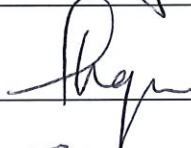






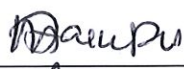
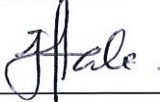
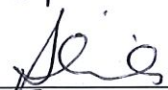



Rowena Michael	—	Moatai Primary School
Rosa Tuna	—	/
Falaniko Lene	—	/
Whales Uelese	—	/
Noa Reupoamo	—	/
Vaveli Vaveli	—	/
Lagi Taulai	—	/
Sani Samuelu	—	/
Siaosi Vaveli	—	"
Francis Fenika	—	"
Luatasi Stanley	—	"
Bruce Taulai	—	"
Salu Ionatana	—	"
Alii Ionatana	—	"
Fuafino Pese	—	"
Grace Taloua	—	"
Haban Sarenisi	—	

Date: September 2, 2023

SWAP PROJECT - 31SM SIDE EVENT

Moata'a Village

Name	Gender	Signature
Filenn Laufofua Tanafua	f	
Tuakapete - Faiyua	f	
Elizabeth. Mapu.	f.	
Epinesa. Selpo	f	
Epinesa. Taitai.	f	
Marva. Tuata.	f.	
Bella Venasio	f.	
Faatua Leulu'i	f	
Alofa Vaagi	F	
Marina. Faiyua	F	
Taulauniu. Hale	F	
Atalia Sili	F	
Wailiki	F	

Jonathan T	M	Jonathan T
Iskapeta E	F	Iskapeta E
Pramula	F	Pramula
Faafetai	F	Faafetai
Jay	M	Alefa
Ailini	F	Alefa
MAXINE Maibo	F	Maxine
MAC MAC Maibo	M	Max C
Silei Maibo	F	Silei
Henry Maibo	M	Henryll
Julius Maibo	M	Julius
CS McCartney	M	CS McCartney
Leata Maibo	F	Leata
Tauvaga Talaja	F	Haley's
Patricia Mallam	F	Patricia
Molyennaomi - Kitionen	F	
Salilo Fainuilelei	F	

} under
18yrs



Sara Bell	F.	B.
Sose Fenika	F.	Joko.
Anastasia Tuai	F.	AS.
Tautala Endemann	F	AS.
Ane Faasee	F	AN
Lucy Hewitt	F	EP.
Sisifo	F	M.
Faafetai Laasaga	F.	FA.
Faafuina L.	F.	FA.
Lepetra T.	F.	LT.
Mele A.	F	MA.
Fiva L.	F.	FL.
Mareu'e T.	F	Mareubi
Mereane P.	F	Mereane
Sioane Peau	M	SP.
Abigail Kelano Ioane	F	AI.
Aunate Tafou	M	Aunate

Appendix 2 – Raw Data on Collected Waste

Litter	Items	Weight (g)
PLASTIC		
Bottle caps & lids	0	0
Bottle neck rings	29	980
Bottle seals & tabs	0	0
Bottles <= 2 L	53	2,180
Bottles, drums, jerrycans & buckets > 2 L	0	0
Plastic utensils	33	2,420
Straws	0	0
Drink package rings	0	0
Food containers	28	3,790
Plastic bags	114	3,110
Food wrappers	0	0
Toys, sport, & recreation (Plastic)	0	0
Gloves	0	0
Cigarette lighters	0	0
Cigarettes, butts & filters	0	0
Syringes	0	0
Cosmetics and medical packaging	0	0
Baskets, crates & trays	0	0
Plastic buoys	0	0
Mesh bags	0	0
Plastic sheeting	0	0
Fishing gear	0	0
Fishing line	0	0
Rope	0	0
Fishing nets	0	0
Strapping bands & tape	0	0
Fibreglass fragments	0	0
Resin pellets	N/A	N/A
Other Plastic	0	0
Unidentifiable hard plastic fragments	0	0
Pens & Stationery	0	0
Clothes pegs	0	0
Lollipop sticks	0	0
Shotgun wadding & shells	0	0
Cable ties & zip ties	0	0
Gardening & farming related	0	0
Safety & construction related	0	0
Plastic vehicle parts	0	0
Parking tickets & receipts	0	0
Unidentifiable soft plastic fragments	147	4,330
Bacterial habitat wheels	0	0
Hangers & retail packaging	0	0



Litter	Items	Weight (g)
Sub-total - Plastic	404	16,810
FOAMED PLASTIC		
Foam sponge	0	0
Polystyrene cups or food packs	20	910
Foam buoys	0	0
Polystyrene insulation or packaging	0	0
Other Foamed Plastic	0	0
Unidentifiable foamed plastic fragments	0	0
Ear plugs	0	0
Foam glazier spacers	0	0
Toys, Sports & Recreation (Foamed Plastic)	0	0
Sub-total - Foamed Plastic	20	910
FABRIC & TEXTILES		
Clothing, towels and linen	9	1,920
Footwear & shoes	3	2,500
Backpacks & bags	0	0
Canvas, sailcloth & sacking (hessian)	8	2,500
Rope, line or string (natural)	0	0
Carpet & furnishing	0	0
Other cloth	0	0
Unidentifiable cloth fragments	0	0
Sub-total - Fabric & Textiles	20	6,920
GLASS & CERAMIC		
Construction material	0	0
Bottles & jars	0	0
Tableware	0	0
Light globes/bulbs	0	0
Fluorescent light tubes	0	0
Glass buoys	0	0
Glass or ceramic fragments	10	7,650
Other Glass & Ceramic (specify)	0	0
Sub-total - Glass & Ceramic	10	7,650
METAL		
Tableware	0	0
Metal Bottle caps, lids & pull tabs	0	0
Aluminium drink cans	7	290
Other cans (<= 4 L)	3	2,300
Gas bottles, drums & buckets (> 4 L)	0	0
Foil wrappers	0	0
Fishing related	0	0
Unidentifiable metal fragments	0	0
Construction material	0	0
Other Metal	0	0
Sharps, needles, lancets, metal catheters	0	0
Metal vehicle parts	0	0



Litter	Items	Weight (g)
Sub-total - Metal	10	2,590
PAPER & CARDBOARD		
Paper, newspapers & paper receipts	0	0
Cardboard boxes	0	0
Cups, food trays & wrappers	21	6,220
Fireworks	0	0
Other Paper & Cardboard (specify)	0	0
Unidentifiable paper and cardboard fragments	0	0
Tetrapaks	0	0
Sub-total - Paper & Cardboard	21	6,220
RUBBER		
Toys, Sports & Recreation (Rubber)	0	0
Rubber footwear	0	0
Rubber gloves	0	0
Tyres	1	3,000
Inner-tubes and rubber sheet	0	0
Rubber bands	0	0
Other Rubber (specify)	0	0
Unidentifiable rubber fragments	0	0
Chewing gum	0	0
Construction & Automotive	0	0
Sub-total - Rubber	1	3,000
WOOD		
Corks	0	0
Fishing traps and pots	0	0
Wooden utensils	0	0
Processed timber & pallet crates	0	0
Matches and wooden fireworks parts	0	0
Other Wood (specify)	0	0
Sub-total - Wood	0	0
OTHER		
Paraffin or wax	0	0
Sanitary items	12	N/A
Faeces	0	0
Personal care items	0	0
Appliances & electronics	0	0
Batteries (Household)	0	0
Other	0	0
Batteries (Non-household)	0	0
Boat parts	0	0
Cotton buds	0	0
Sub-total - Other	12	0
TOTAL	498	44,100

