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 (MNRE)

31 SPREP Meeting – SWAP Side Event
Clean-up Activity at Moata'a Village

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

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

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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 Conservancy[1], 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, SPREP[2] 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 développement[3] (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

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


adidas

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.

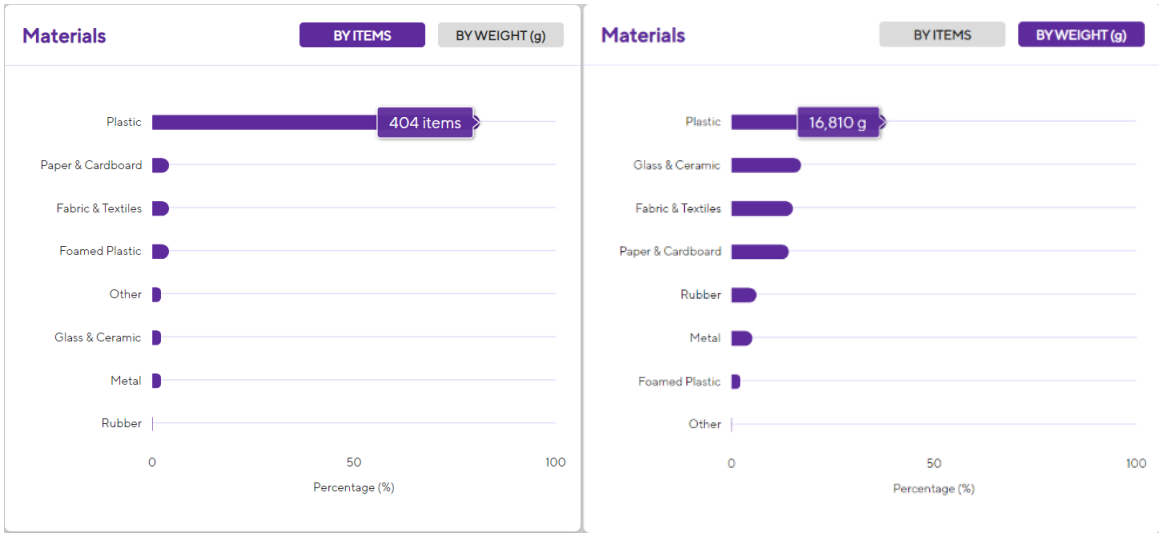

***Figure 3:** Diagrams of the repartition of waste by type of material, in terms of items (left) and weight (right), collected at Moata'a Village on September 2, 2023*

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

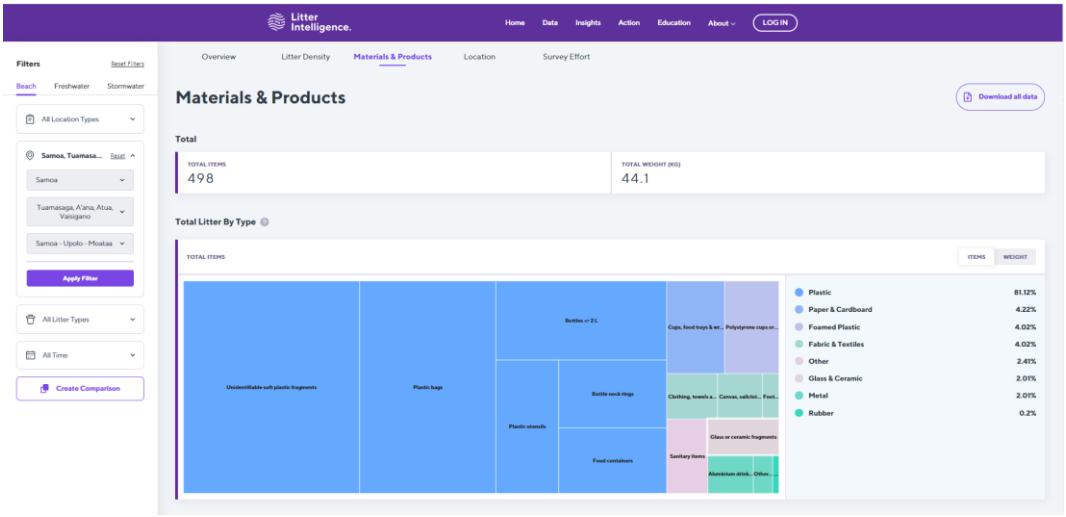

***Figure 4:** Repartition of waste by type, in terms of items collected at Moata'a Village on September 2, 2023*

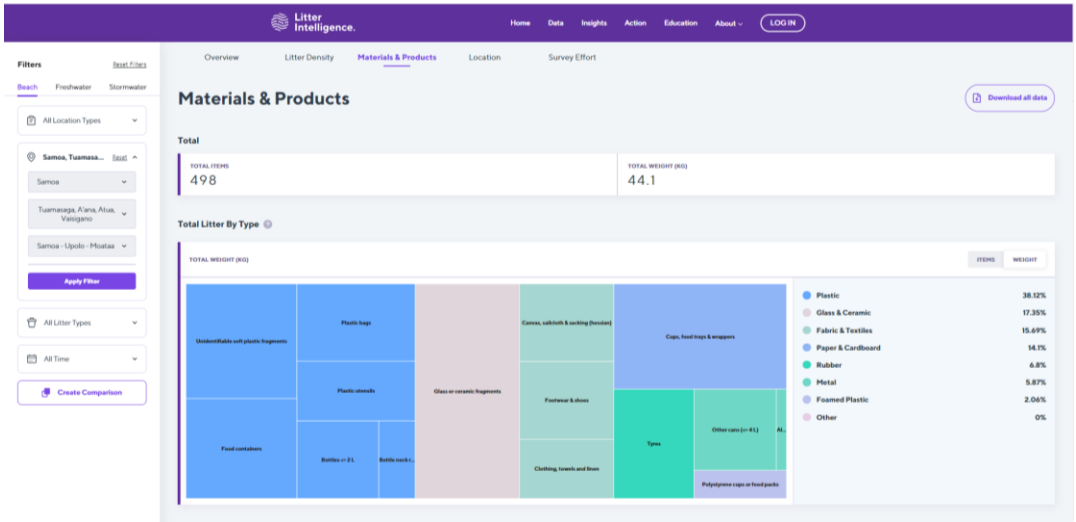

***Figure 5:** Repartition by type of waste collected at Moata'a Village on September 2, 2023, in terms of weight*

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 Trawick	Female	
Susan McErlain	F	
Malele Niko.	F.	
Malagi Samoa	M	
Tuile Lenkeda	F.	
Malagi S.	F	
Regina Lenkaiaki	F	
Ane. Siliaga.	F.	
Elisapeta T.	F	
Taapopo H.	F	
Faivale Lenkaiaki	F.	
Leitnatasa. Eliseria.	F	

Kesia Laasaga	Female	Kh.
Ana Nua Poutoa	Female	[illegible].
	Male	[illegible]
Samalaulu Keni Lemi	Female	[illegible]
Epenesa Levaa	Female	[illegible]
Vaaiva Patu.	Female,	[illegible].
Fola P.	Male	Fola P.
Siliaga A.	Male.	[illegible].
SĀFANUA TIMOTEO	MALE	[illegible]
Nua Aleki	Male.	Aleki.
Tulatoa	Male	[illegible]
Tapuafanua.	M.	[illegible].
Fanlu. Siaki T.	M.	[illegible]
[illegible]	Tuai	[illegible]
Nua Palafa.	Male.	NPalafa.
Leoo Tusitala.	Male.	L.T.
Talivale	Male.	Talivale.

Rowrena. Michael	—	Moataa Primary School
Rosa. Tuna.	—	〃
Falaniko. Lene.	—	〃
Whales. Uelese.	—	〃
Noa. Renpoamo.	—	〃
Vaveli. Vaveli.	—	〃
Lagi. Taualai.	—	〃
Sani Samuelu.	—	〃
Siaosi Vaveli.	—	〃
Francis Fenika.	—	〃
Luatasi Stanley.	—	〃
Bruce Taulai.	—	〃
Salu Ionatana.	—	〃
Alii Ionatana.	—	〃
Fuahiva Pese	—	〃
Grace Talaia.	—	〃
Laban. Saienisi	—	

Tasinatia. Lomitusi	—	Moataa Pri School
Rotty. Isaako.	—	"
Makelusa Lui.	—	"
D.J. Autagavaia.	—	"
Frank. Taua.	—	"
Alina. Fli.	—	"
Taneta. Teo Afamasaga	Afamasaga	Moataa Pri School.
Veragrace. Tiai.		"

Date: September 2, 2023

SWAP PROJECT - 31SM SIDE EVENT

Moata'a Village

Name	Gender	Signature
Filemu Landale Tauapa	f	
Tuakapeta. Faiupu	f	
Elizabeth. Mapu.	f.	
Epenesa. Solipo	f	
Epenesa. Taitai.	f	
Mava. Tuala.	f.	
Bella Venasio	f.	
Faafuai Leulua	f	
Alofa Vaagi	F	
Marina. Faiupu	F	
Taulaunia. Hale	F	
Atalia Sili	F	
Waikiki	F	

Jonathan. I	M		
Iokapeta. E	F		
Pramila	F		
Faafetai	F		
Jay	M		
Ailini	F.		
MAXINE Mailo	F		
MAC Mailo	M		
Silei Mailo	F		
Henry Mailo	M		
Julius Meilo	M		
CJ McCarthy	M		
Leata Mailo	F		
Taavaga Talaja	F		
Patricia Mallam	F		
Mollyennaomi - Kitiona	F		under 18yrs
Salilo Fainuulelei	F		under 18yrs

AFD AGENCE FRANÇAISE DE DÉVELOPPEMENT

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

SWAP Sustainable Waste Actions in the Pacific

FAAVAE I LE ATUA SAMOA

Sara. Bell.	F.	B.
Sose. Fenika	F.	
Anastasia. Tucci	F.	AS.
Tautala. Endemann	F	
Ane Faasee	F	
Luana Hemti	F	
Sisifo	F	M.
Faafetai. Laasaga.	F.	
Faafouina. L.	F.	
Lepetia. T.	F.	LT.
Meto. A.	F	MA.
Fiva. L.	F.	FL.
Maelaloe. T.	F	
Mereane. P.	F	
Sioane Peau	M	
Abigail Lelavo Joane	F	
Aviate Faafou	M	Aviate

Hale Junior	M	H.J.
Maudelene. Atapana	F.	M.A.
Aiga. Tofilau	F.	A Tofilau.
Vincent	Male	Vincent
Amate	Male	Faafou.
Fiasosoitamalii Siaosi	F	[illegible] MNRE
Rudy Siaosi	M	"
Junior Siaosi	M	"
Timothy Papalii	M	Magiagi SDA
Molly Samoata	F	"

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**