



Mt Silisili

2021-2022

ANNUAL REPORT

“Working with you for a sustainable and resilient Samoa”

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**MINISTRY OF
NATURAL RESOURCES
AND ENVIRONMENT**

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OFFICE OF THE MINISTER OF NATURAL RESOURCES AND ENVIRONMENT

Ministry of Natural Resources and Environment; National Parks,
Recreation and Water Conservation; National Disaster Management;
Meteorology and Forestry.

30th August, 2022

Hon. Speaker of the House Legislative Assembly

APIA

SUBJECT: MNRE Annual Report for Financial Year 2021/2022

Afioga e,

In accordance with Section 143 of the Lands and Environment Act 1989, I am pleased to submit herein the Annual Report of the Ministry of Natural Resources and Environment for the year ended June 30, 2022.

The Report is the record of the Ministry's performance in accordance with its mandate and output structure, and to be laid before the Legislative Assembly of Samoa.

With respect,

Hon. Toeolesulusulu Cedric Posē Salesa Schuster

MINISTER

EXECUTIVE SUMMARY

We are pleased to provide a summary of the work of the Ministry for this fiscal period. The Ministry is mandated to ensure environmental sustainability and a climate and disaster resilient Samoa in collaboration with key stakeholders including communities. Our workforce includes a total of 426 staff including 44 project staff for the period. Men account for 66% of the workforce with women at 34%. The total approved budget for this financial year was SAT26,289,603 comprising SAT13,008,997 of total output provided by the Ministry and SAT10,539,967 of total transaction on behalf of the state. By close of the fiscal year, the Ministry managed to utilize 90% of its approved budget appropriation to deliver 158 key performance indicators. Despite many challenges, in particular the COVID-19 restrictions, 60% of total KPIs were completed, 35% partially completed and ongoing with 8% incomplete.

The Pathway for the Development of Samoa (PDS) 2022 – 2026 provides the overarching development agenda which sets the pace and tone of the Ministry’s prioritized work programme in line with its national environment policy priority areas encompassing natural resources management (freshwater, forests, land, biological diversity and oceans); sustainable built environment in the context of sustainable development planning through enforcement of environmental safeguards, the sound management of waste including chemicals and hazardous waste, wastewater and sanitation; a more climate and disaster resilient Samoa in response to climate change impacts; and a more robust environmental governance regime in place. Key highlights are provided below.

Water Resources Management

Sustained efforts saw progress made in watershed rehabilitation, expansion of the hydrometric network, and policy formulation. More than 10,000 seedlings including native tree seedlings were dispatched to support community-led catchment rehabilitation programs with more than 20 ha of land replanted. The establishment of water reserves for rehabilitation and protection is aimed at sustaining water resources in the long term, particularly in the face of climate change impacts.

Additionally, research on groundwater availability and capacity building made possible through online programs were able to make progress despite COVID-19 restrictions. Improved hydrometric data analysis capabilities will effectively contribute to informed decision-making. Work on enhancing early warning system for flood forecasting and management continue. Strengthening community partnerships through targeted awareness programs will continue to build collaboration and support towards achieving sustainable water resource management goals.

Forest Resources Management

This year saw approximately 140 hectares in targeted areas replanted within national parks and community forests. Well over 800 hectares of forested areas were maintained. Ongoing community engagement programs registered 248 new farmers. Forest research continues to prioritize phenological and carbon stock assessments for selected tree species. Preliminary findings were shared at the National Environment Forum 2021, with ongoing assessments supported by the FAO underway.

Our forest industry, though relatively small, is well-regulated, with ten sawmills registered and 19 harvesting licenses issued during the fiscal period. Commemoration of World Forest Day was celebrated and highlighted interlinkages with Water, Wetlands, and Meteorology. A six-year, 3-million tree planting national campaign with a strong community focus was launched during national environment week.

Land Management

Government land leases recorded 20 new leases during this period. In response to the economic downturn from the pandemic, commercial lease rates were reduced by 50%. Development of access roads for government lands including leases resulted in improved access roads at Tafaigata and Vaimea. Land reclamation and sand mining are monitored and regulated, with 10 land reclamations and 170m³ of sand extraction approved. The land registry processed 2004 applications, with 1976 approved, mainly for mortgages and land transfers. The Ministry conducted 220 valuations and facilitated land compensation for public projects.

Customary land leases under the Leasing and Licensing Act saw 11 new leases approved for telecommunication, water utilities, churches, and businesses in various villages. Collaboration with other agencies continued for road widening and catchment protection projects, with consultations and compensation payments made for affected families. Secretariat support to the Customary Land Advisory Committee (CLAC) and Land Commission continues.

Biological Diversity Conservation

Our conservation mandate continues to prioritize the protection of threatened and endemic species, including the eradication and / or control of invasive species and biodiversity monitoring. Surveys and assessments targeted flying foxes, manumea and maomao, seabirds, reptiles, and butterflies in key conservation areas such as the Uafato Community Conservation Area, Malololelei Nature Reserve, Vailima Nature Reserve, and several others, demonstrating a holistic approach to preserving diverse ecosystems.

Collaborative endeavors with organizations like the Samoa Conservation Society target specific challenges, such as eradicating the rattan palm tree at Papasea and addressing rat populations at Malololelei. Additionally, landscape restoration, native species propagation, and fostering partnerships with local communities through community conservation areas continue to target the protected area network.

Waste Management Services

In addition to management of the waste collection system, operation and maintenance of public toilet facilities and landfills, the ministry has taken steps to promote a circular economy approach to waste management. A policy paper has been drafted in collaboration with the UNDP under the CERO Waste Project. Efforts are also underway to develop a Disaster Waste Management Response Plan. Despite COVID-19 restrictions, community engagement efforts including waste audits, and public consultations on waste collection systems were able to be conducted. On hazardous waste management a Recovered Fee Deposit Feasibility Study under the Pacwaste Plus project is progressing.

Meteorological, Ozone and Geoscience services

Samoa has experienced three consecutive years of La Niña ENSO conditions, resulting in increased rainfall but with fewer tropical cyclones. The ministry continues to provide climate forecasting services integrating traditional knowledge for community awareness programs. We have expanded our ocean monitoring program through international collaborations to enhance understanding of the climate-ocean relationship. Furthermore, we continue to fulfill Samoa's obligations under the Montreal Protocol by phasing out controlled substances and promoting energy-efficient appliances.

Geotechnical studies to support infrastructural development and our groundwater monitoring program continue. Samoa only has one drilling rig commissioned in 2006 and efforts are underway to procure a new drilling rig. Seismic monitoring services continue with 42 felt earthquakes recorded for the period. Dissemination of public information continues to be a crucial part of our disaster preparedness and response program with communities and the Disaster Management Office.

Climate Change

The National Climate Change Policy 2020-2030 provides the policy framework for Samoa's climate change adaptation and mitigation priorities, including governance and climate financing. Implementation of the policy is well underway and coordinated through the ministry in close collaboration with key stakeholders. A legislative framework for climate change response will soon be in place as consultations to finalize the Climate Change Bill continues. As the operational focal point for the Global Environment Facility (GEF), the Ministry is working on its GEF 7 project proposal.

We continue also to coordinate the implementation of community-based adaptation strategies prioritized under 49 Community Integrated Management (CIM) Plans and we are consistently working with the MWCSO to ensure their alignment with District Development Plans as part of the District Development Initiative. Furthermore, we are also actively participating in UNFCCC and Paris Agreement negotiations in collaboration with the MFAT. Work on updating Samoa's 2007 Greenhouse Gas Inventory has completed with plans to launch Samoa's Third National Communication (TNC) report and Biennial Update Report in the next financial year.

Renewable Energy

Samoa's second Nationally Determined Contribution (NDC) to the UNFCCC was submitted in July 2021 after extensive consultations with stakeholders. Several activities were undertaken to meet Samoa's enhanced NDC targets, including the installation of solar lights and biogas systems in communities. Efforts were made to enhance the Ministry's capacity through partnerships with organizations like CFAN and GGGI, providing training opportunities.

The private sector was engaged in national decarbonization efforts, particularly through collaborations with hoteliers for energy audits. A national policy framework for renewable energy priorities is in progress and is undergoing a highly consultative process with stakeholders. The Ministry also promoted renewable energy during National Renewable Energy Day as part of National Environment Week celebrations.

Disaster Risk Management

The National Emergency Operations Centre (NEOC) continues its operations as Samoa remains under a State of Emergency in response to COVID-19 including coordination of mass vaccination rollouts, quarantine facility assessments, dissemination of COVID-19 kits etc. In addition, the NEOC also responded to the Nafanua II operation, Tonga Hunga-Haapai volcanic eruption and severe weather events.

Despite many challenges, disaster risk management awareness programs and trainings were implemented to some extent. Sector response plans were developed for St. Anglican Church and Sheraton Resort. Additionally, the rollout of the Community Disaster Climate Resilience Management (CDCRM) program to 12 villages produced customized disaster plans for each village. I am also pleased to note that NEOC received a boost to its operations with the installation of audio-visual monitoring screens procured under the World Bank funded PREP project.

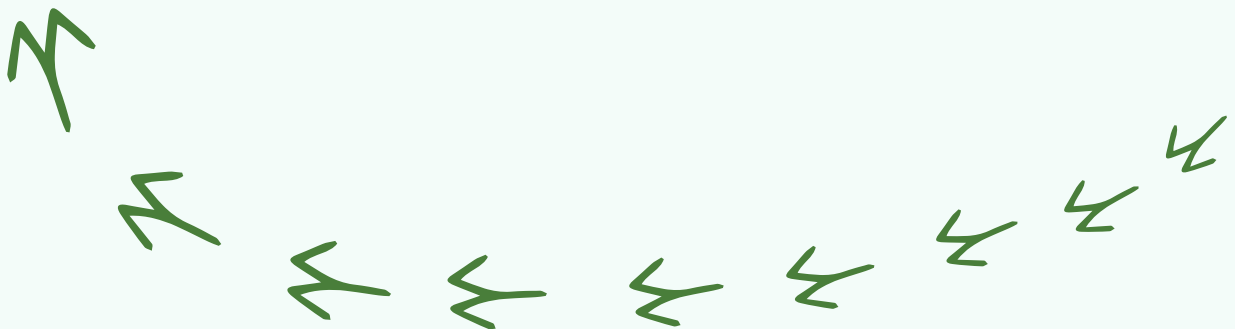
Sector Coordination

The Water and Sanitation Sector achieved over 80% of its planned activities. A Rainwater Harvesting program was introduced targeting vulnerable households outside of reticulated water systems operated by SWA and IWSA. Work on the draft National Effluent Discharge Standards has been revived. Sector communications received a boost with an updated strategy and creation of promotional materials in the form of a WASH Heroes comic book while an existing partnership with the Oloamanu Training Center continues to deliver targeted capacity building programs for the sector.

The review of the National Environment Sector Plan (NESP) 2017-2021 is well underway. The update of the sector plan will coincide with the completion of Samoa's 4th SOE also currently underway. Coordination of the GCF funded Vaisigano Project specifically implementation of the Cash for Work (CfW) Programme, Payment for Ecosystem Services (PES) Programme, and Ecosystem-based Adaptation Enterprise Development (EbAED) Programme are all progressing well.

Legal Services

Legal services include a wide array of legal tasks such as drafting legal frameworks and agreements, assisting with procurements, and managing environmental enforcement and compliance activities. Additionally, the division engages with government offices and private sectors, aids in legislative reforms, and facilitates the execution of legal documents. The passing of the Meteorology, Geoscience and Ozone Services Act 2021 and amendments to the Land Titles Registration Act, will strengthen our legal framework. Civil and criminal proceedings, environmental litigations, community consultations, and legal support to the Attorney General's Office are ongoing.



ABBREVIATION & ACRONYMS

ADRA	Adventist Disaster Relief Agency
AFOLU	Agriculture, Forest and Other Land Uses
AUA	Apia Urban Area
BEST	Biogas System Technology Solutions
CC	Climate Change
CDC	Cabinet Development Committee
CDCRM	Community Disaster and Climate Resilience Risks Management
CEO	Chief Executive Officer
CFAN	Climate Finance Advisory Network
CIM Plan	Community Integrated Management Plans
CLAC	Customary Land Advisory Commission
DMO	Disaster Management Office
DRM	Disaster Risk Management
ERN	Emergency Radio Network
ESN	Emergency Siren Network
ESPO	End of Sector Plan Outcome
EWACC	Economy Wide Adaptation to Climate Change
FLO	Faataua le Ola
FY	Financial Year
GCF	Green Climate Fund
GEF	Global Environment Facility
GGGI	Global Green Growth Institute
GHG	Green House Gas
HF	High Frequency
IA	Implementing Agency
IRENA	International Renewable Energy Agency
ISGP	Institute on Science for Global Policy
IWS	Independent Water Scheme
JICA	Japan International Cooperation Agency
JWSSSC	Joint Water and Sanitation Sector Steering Committee
LDS	Land Development Section
LLEE	Live and Learn Environmental Education
LMD	Land Management Division
MEA	Multilateral Environment Agreement
MOA	Memorandum of Agreement
MOH	Ministry of Health

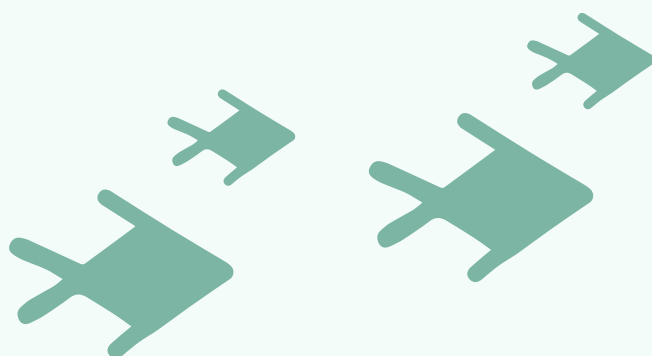
MOU	Memorandum of Understanding
MPCC	Ministry of Police, Prison and Corrections Services
MTEF	Medium Term Expenditure Framework
MWCS D	Ministry of Women, Community and Social Development
NDC	Nationally Determined Contribution
NEOC	National Emergency Operation Center
NESSC	National Environment Sector Steering Committee
NGO	Non-Governmental Organization
NPI	Non-Pharmaceutical Interventions
PACRES	Pacific Adaptation to Climate Change Resilience Building Project
PIN	Project Idea Note
PPE	Personal Protective Equipment
PRP	Pacific Resilience Program
PUMA	Planning & Urban Management Agency
PWWA	Pacific Water and Wastewater Association
RE	Renewable Energy
RED	Renewable Energy Division
SBS	Samoa Bureau of Statistics
SFESA	Samoa Fire and Emergency Services Authority
SFHA	Samoa Family Health Association
SNBH	Samoa National Broadband Highway
SOP	Standard Operating Procedures
SPREP	South Pacific Regional Environment Programme
SRCS	Samoa Red Cross Society
SROS	Scientific Research Organization of Samoa
STA	Samoa Tourism Authority
STNC	Samoa's Third National Communication Report
SWA	Samoa Water Authority
TA	Technical Advisory
TC	Tropical Cyclone
UNCCD	United Nations Convention to Combat Desertification
UNDP	United Nations Development Programme
UNFCCC	United Nations Framework Convention on Climate Change
URBIS	Unified River Basin Simulator
VHF	Very High Frequency
WASH	Water, Sanitation and Hygiene
WSS	Water and Sanitation Sector
WSSCD	Water and Sanitation Sector Coordination Division

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STATUTORY BOARDS

FORESTRY BOARD

Minister of Natural Resources & Environment	Chairman
Chief Executive Officer, MNRE	Deputy Chairman
Chief Executive Officer, Ministry of Finance	Member
Chief Executive Officer, Ministry of Agriculture & Fisheries	Member
Chief Executive Officer, Ministry of Commerce, Industry & Labour	Member
Chief Executive Officer, Ministry of Women, Communities and Social Development	Member
Su'a Aukusitino	Member
Maiava Veni Gaugatao	Member
Tanuvasauea Tony Teo	Member
Toluiupeli Hesed Ieremia	Member

GEOGRAPHIC NAMES BOARD

Minister of Natural Resources & Environment	Chairman
Chief Executive Officer, MNRE	Deputy Chairman
ACEO -Technical Services MNRE	Secretary
Sagalala Salanoa Surveyor	Registered
Chief Executive Officer, Ministry of Education Sports & Culture	Member
Chief Executive Officer, Land & Transport Authority	Member
Chief Executive Officer, Ministry of Women Communities and Social Development	Member
Chief Executive Officer, Samoa Tourism Authority	Member
Police Commissioner, Ministry of Police	Member
Commissioner, Fire Emergency Services Authority	Member
Leilua Kuka	Member
Leasiosiofaasisina Lole	Member
Leulusoo Sikoti	Member

LAND BOARD

Minister of Natural Resources and Environment	Chairman
Chief Executive Officer, MNRE	Deputy
Chairman	
Ministry of Natural Resources & Environment Attorney General	Member
Chief Executive Officer, Ministry of Finance	Member
Chief Executive Officer, Ministry of Agriculture & Fisheries	Member
Chief Executive Officer, Ministry of Works Transport & Infrastructure	Member
Afemata Palusalua Faapo II	Member
Lolomatauama Eseta	Member
Lemalu Siomia Auvele	Member
Vaaaoao Alofipo	Member
Vaili Patea	Member

WATER RESOURCES BOARD

Minister of Natural Resources and Environment	Chairman
ACEO - Water Resources Division, MNRE	Secretary
Chief Executive Officer, MNRE	Member
Chief Executive Officer, Ministry of Health	Member
Chief Executive Officer, Ministry of Agriculture & Fisheries	Member
Chief Executive Officer, Ministry of Finance	Member
Chief Executive Officer, Ministry of Women Communities and Social Development	Member
Managing Director, Samoa Water Authority	Member
General Manager, Electric Power Corporation	Member
Leota Sua Talimatasi	Member
Atuatasi Katifa Bryce	Member
Leuluitumua Jerry	Member
Saua Avia	Member
1 NGO Representative	Member

PURPOSE & VISION

Purpose

The Ministry of Natural Resources and Environment leads the management of Samoa's environment and natural resource. We work across a diverse range of issues as reflected in the core functions undertaken by the 14 Divisions.

Who we are?

Our work is guided by the Government priorities under the Strategy for the Development of Samoa 2017 - 2021 (SDS), community values, aspirations, the state and condition of natural resources, and our legislative and policy mandates.

Vision

To be a highly effective organization that is valued by our people and partners for our pivotal role in enabling a safe, prosperous, secure, healthy and beautiful Samoa.

Mission

To protect and safeguard people and environment through the provision of trusted reliable and responsive services to the public and our partners.

MANDATORY ROLES

An Environmental Regulator

Target national efforts to maintain and improve environmental standards and to minimize unnecessary pressure on the environment and improve livelihoods.

An Environmental Administrator

Work with people and communities to protect and improve the environment in an integrated sustainable approach.

An Environmental Advisor

Compile and assess the best available evidence and use these to report on the state of the environment. To provide technical information and policy advice to the government to support their roles in decision making.

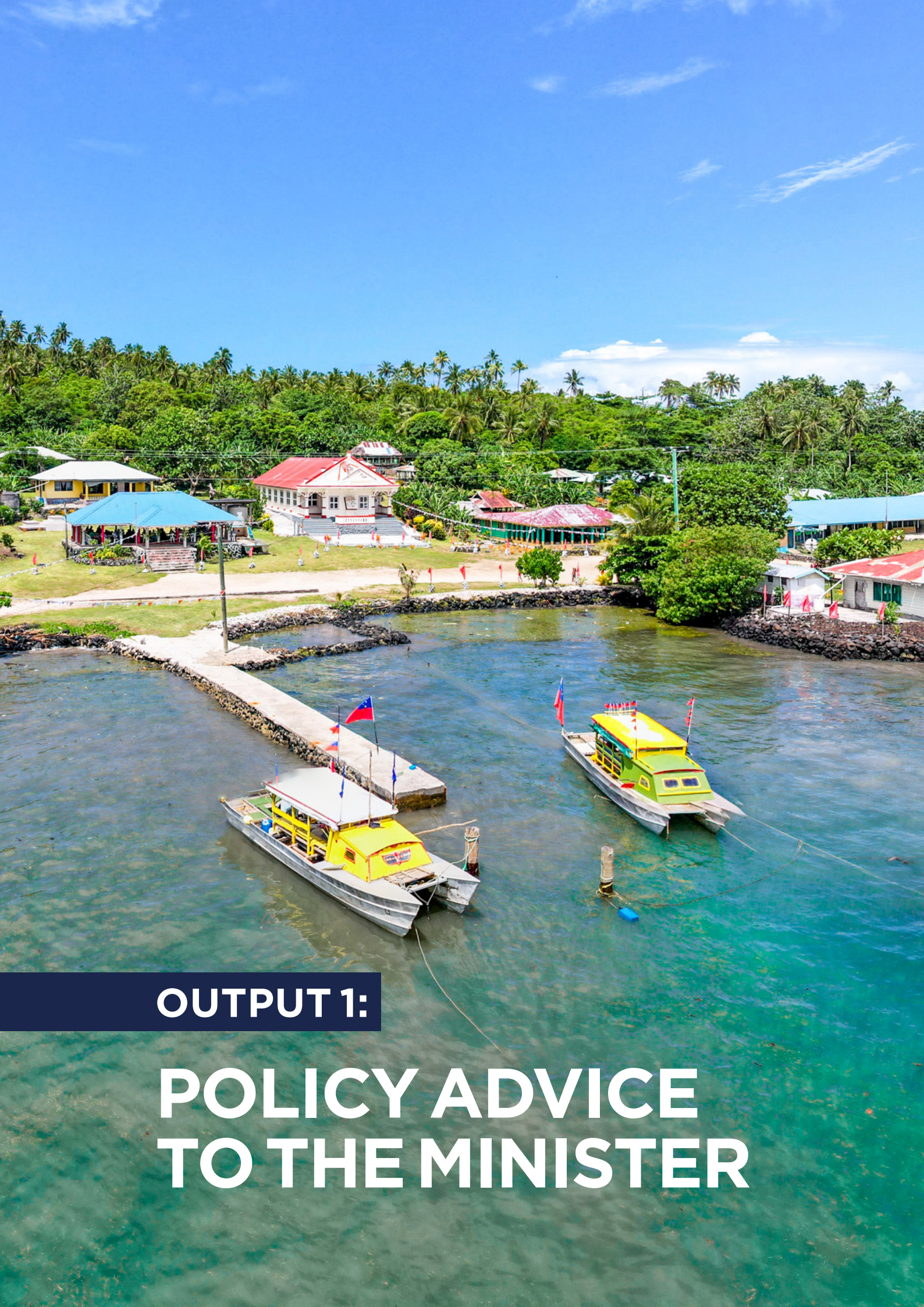
An Environmental Advocate

Environmental stewards advocating for better environmental outcomes

Figure 1: Organizational Structure







OUTPUT 1:

**POLICY ADVICE
TO THE MINISTER**

SUB OUTPUT 1: CLIMATE CHANGE & GLOBAL ENVIRONMENT FACILITY

The division of Climate Change and Global Environment Facility (GEF) coordinates and facilitate Climate Change integration and actions. In addition, it coordinates on behalf of the Operational Focal point the work of the GEF as well as manage the development of GEF project proposals across GEF focal areas, related to climate change, biodiversity, international waters, land degradations, the ozone layer and persistent organic pollution. The Division also manages the policy development, coordination of various programs and reporting on climate change action, implementation and promoting of adaptation and mitigation measures including coordination of the Technical Negotiations of Climate Change issues under the UNFCCC and the Paris Agreement.

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Divisional Achievements

Highlights	
National Climate Change Policy (2020-2030)	<ul style="list-style-type: none"> • Samoa Climate Change Policy 2020-2030 Endorsed in 2020. • Official Launching in November at the Environment Week - Climate Action Day 2021 • Implementation and integration of the CC policy • Core member in the development of the Climate Change and Disaster Management Strategy for the education sector, 2021 - 2025
Development of the draft CC Bill	<ul style="list-style-type: none"> • Stakeholder consultations have been completed for the Bill • Revisions to the Bill and finalization with the main stakeholders is underway
Community Integrated Management Plans (2019-2029)	<ul style="list-style-type: none"> • Monitoring of implementation of the CIM plans by various responsible sectors has started. • Database set up to facilitate the monitoring and implementation of the measures within the CIM plans are underway
Climate Change Report Card (Report Quarterly basis)	<ul style="list-style-type: none"> • Climate Change Report Card Stakeholder meeting discuss and explore strategies to deliver reporting to CDC effectively • Continuous collection and update of data and information and presentation of card to the CDC. Samoa's report card is in its 13th edition. • Samoan Translation of the Climate Change Report Card is ongoing
Reporting and update of 3 rd Greenhouse Gas Emissions Inventory (Samoa's Third national communication report - TNC)	<ul style="list-style-type: none"> • The preparation and update of the 3rd GHG inventory for Samoa has completed in June 2022. According to the updated inventory, the main source of GHG emissions continues to be the Energy Sector, contributing 46% of the total GHG emissions for Samoa 2010 - 2020, of that total Road transport has the highest contribution to the total emission of 27%. • Based on our last inventory and compared to this update GHG inventory 2010 - 2020 the emissions trends have increased by 23%.

Assessment of Samoa's mitigation potential and information on programmes containing measures to mitigate climate change (TNC)	<ul style="list-style-type: none"> • Work is underway to update Samoa's mitigation actions in the four main sectors with the highest emissions of GHG. The main sectors include Energy, Agriculture, Forestry and other Land uses (AFOLU), Waste and IPPU (Industrial Processes and products used). As highlighted in the reporting of mitigation actions and included in Samoa's second NDC, mitigation actions in these sectors will contribute to reducing emissions and be part of the solution.
Gender analysis and action plan for Samoa climate change report (TNC)	<ul style="list-style-type: none"> • A draft Gender action plan for Samoa's National Communication report to the Convention is in place and will integrate with further stakeholder consultations.
Workshops, meetings and Field visits.	<ul style="list-style-type: none"> • A total of 4 GEF meetings in this reporting period (2 GEF Constituency meetings and 2 meetings on the GEF 8 replenishment) • 3 community workshops were conducted and field visits for both Upolu and Savaii were conducted for the development of the GEF 7 project. • A national validation workshop and consultations were also conducted for the finalisation of the full-size project for GEF 7. • The Third National Communication project held a total of 4 workshops in this reporting period, GHG peer review workshop, MNRE internal review and the validation workshop for the GHG inventory report. • Conducted 1 workshop for the draft Gender and CC report • PACRES USP contributed to the national dialogue for COP 26 held last year during the Environment week. • EWACC project held 2 major workshops in its finalisation, sustainability workshop and final knowledge management and information sharing workshop. • Conducted 4 site visits for the EWACC project in this reporting period. • Contribute and attend to the Pacific Climate Change Centre webinars on the IPCC working group reports.
Awareness & Outreach Programs	<ul style="list-style-type: none"> • The continuous National Climate Change awareness programs through media outlets, tv through ads - climate change documentary, 30 second ads on mitigation actions during floods, disaster response (cdcrm), forest fire prevention etc, newspaper, fb, website. • Initiate the continuation of the Environment Kids corner in the Observer newspaper for wider understanding and participation of younger generation in environment conservation and addressing climate change impacts.
Climate Change Negotiations UNFCCC, Paris Agreement PISDS coordination AOSIS coordination	<ul style="list-style-type: none"> • COP 26 in Glasgow Scotland in December 2021 continued with Samoa's national delegation participating remotely. The Honourable PM of Samoa led Samoa's delegation and was chair of the Pacific Islands Group of negotiators in its discussion on important issues to the small islands. • SBSTA/SBI - May - June 2022 - technical negotiations in the margins of the COPs continue to play a pivotal role in the advancement of climate change issues. • Ongoing PSIDS and AOSIS coordination meetings a total of 10 virtual meetings were conducted in this reporting period.
National Operational Focal Point for GEF	<ul style="list-style-type: none"> • The continuous advisory, reporting and implementation support role on behalf of the OFP - CEO MNRE, in facilitating and coordinating the channeling of GEF assistance for project development and implementation and coordination of GEF programs • Supporting role as OFP to Community Micro Environmental Projects: Small Grants Programme (SGP)UNDP Samoa as a member of the Steering committee.

Project Management

Current Projects	Total Funds USD	Status
Third National Communication Report and First Biennial Report (2020-2024) GEF, UNDP	\$1,002,000.00	17.5%
Pacific Adaptation to Climate Change Resilience Building Project (PACRES) 2020-2022 - EU	The total funds are disbursed from SPREP	60%
Enhancing integrated sustainable management to safeguard Samoa's natural resources. GEF 7 project	\$3,502,968	Full size project, has been approved by GEF council in May 2022 Council meeting

Enhance Resilience of Communities as First Responders of Climate Change-Induced Hazards

- Vaisigano river flood-wall for segment 1 construction completed;
- Developed Hydrology Model for Loimata o Apaula, Gasegase and Fuluasou river catchments;
- Inundation and Flood Hazard Maps
- Unified River Basin Simulator (URBS) flood simulation using the TUFLOW Software tool, QGIS (20participants) and Drone Training
- Developed Integrated Watershed Management Plan for the Greater Apia Urban Area (AUA);
- AUA and Vasigano River Catchment river channel about 12km dredging implemented under Phase 1, Phase 2, Phase 3 and Phase 4.;
- More than 12,000 people have benefitted from improved flood management from climate-resilient flood protection measures introduced in Vaisigano River (6,000 male and 6,000 female);
- Greater Apia Catchment Intensity-Frequency -Duration (IFD) Development;
- Community Awareness & Promotional Material (P3D) for Watershed Management;
- MOU endorsed between MNRE and the Methodist church water catchment reserve of 51hectares for watershed rehabilitation activities;
- Six (6) groups with a total of 176 recipients/families in Upolu and Savaii successfully established small businesses enhancing their livelihood. At least 600 beneficiaries adopting diversified livelihoods observed with increased income with at least 400 women irrespective of age and 200 youth irrespective of gender. About 19% of the overall beneficiaries are the youthful population or individuals between the ages of 18- 35. Eighty-eight (88) of the business owners are females and another 88 are males.;

- A total of 50-Village in Savaii and Upolu developed Climate-Disaster Risk Management Plans [VCDRM] following Vulnerability Village Profiling and implementation of the CDCRM Toolkit;
- Site 16 Falealili Cross-Island drainage improvement of approximately 460m in length from northern side Beach Road toward Maluafou Traffic Signals. Designed under the LTA-GCF Vaisigano Catchment Area [VCA] drainage improvement project;
- Stabilization Program using 5,100 vetiver seedlings planted along riverbank of Vaisigano River;
- Vaisigano river floodwall Segment 01 greening demarcation of this 9.7ha with materials procured by the EWACC Project
- 9.7ha reserved/protected lands in the upper Vaisigano Catchment contain planted with 1,200 native seedlings by MNRE WRD assisted by the Methodist Church, while the Year 9 of the Pesega College planted 500 seedlings in the 9.7ha reserve;
- Revised the National Building Code 2017 for design of climate resilient structures align with international standards level.



SUB OUTPUT 2: RENEWABLE ENERGY DIVISION

- Samoa submitted its 2nd Nationally Determined Contribution (NDC) to the UNFCCC on the 30th July, 2021. The regional Pacific NDC Hub with its implementation partner Global Green Growth Institute (GGGI). A wide range of internal (2) and external consultations (2) with the main stakeholders to discuss the NDCC targets.
- Mr. Ueligitone attended an online KCCP Program training hosted by JICA overseas based expert to share their experiences and knowledge on “Stabilizing Power Systems to Introduce Various Kinds of Renewable Energy” from the 23rd August to 3rd September 2021.
- The Renewable Energy Division also participated in the National Environment Sector Steering Committee (NESSC) quarterly meetings on the 28th September 2021 and 7th June 2022 providing its divisional updates on all the projects and its progress.
- Renewable Energy Division represented Samoa in the Fourth Assembly of the International Solar Alliance (ISA) virtually from the 18th to 21st October 2021. A proposal was successfully submitted and approved by the ISA for Samoa to access funds for solar projects in April 2022.



- The Renewable Energy Division became the focal point of the Climate Finance Advisory Network (CFAN) in collaboration with GGGI (Green Global Growth Institute). GGGI will hire a Climate Finance Advisor for Samoa to deliver specific activities for this assignment, that includes 3 project concept note based on priority areas in Samoa. NDC Road Map and Investment Plan and 2 full project proposals for potential funding with donor partners such as GCF, IRENA, and others.
- The official launching of 3 community biogas systems pilot developments under IMPRESS project through collaboration of Biogas System Technology Solutions (B.E.S.T) contractor. The 3 systems that was officially launched;
 - Methodist Atina'e in Faleula on the 22nd September, 2021.
 - Vaisala Hotel System on the 14th October, 2021.
 - Papauta Girls College on the 3rd March, 2022.
- Completion of STEC's biogas system located at Afolau in quarter 1 of 2022 was another milestone for this financial year.
- The Ministry of Natural Resources and Environment commemorate its National Environment Week from the 1st to 5th November 2022. The Renewable Energy Division/ IMPRESS Project celebrated two important events during this week of celebration.
 - LED Light tube distribution for Upolu Community on the 2nd November 2021.
 - A quadrathlon race to celebrate the National Renewable Energy Day 2021 between the selected ministries and organizations on the 4th November 2021.
- Completed the delivery of the NUS Cert II on "Sustainable Energy Management" on 16th December 2021, this was funded under IMPRESS. A total of 18 students (from within the Energy Sector and TVET Providers) registered and graduated.
- The IMPRESS Project held its quarterly Technical Advisory Group meetings on the dates below. To discuss updates and way forward for the project activities.
 - July 7th 2021 - TAG #16
 - October 7th 2021 - TAG #17
 - January 14th 2022 - TAG
 - April 20th 2022 - TAG #19
 - July 6th 2022 - TAG #20
- Mr. Fonoti Perelini, a local technical assistant carried out an official Energy Audit for the tourism sector. A medium size hotel/resort was expected to use as a case study, unfortunately, due to the close down of most hotels because of COVID and others were used as isolation sites, Taumeasina resort was selected hotel for this study. This was funded under GIZ with the support of the IMPRESS Project and Climate Promise Project. Findings from this Energy Audit was presented in a workshop that was held for hoteliers in Savaii and Upolu on;

- 1st March 2022 – Upolu
- 30th May 2022 – Savaii
- Mr. Sione Folihaki a local consultant was hired by UNDP as a Technical Advisor to develop a Renewable Energy Policy through the IMPRESS Project Community consultation for RE Policy was held in Upolu and Savaii on March 2022.
- Validation workshop for external stakeholders was carry out in May 18th, 2022.
- The launching of Solar Lights funded under Water and Sanitation Sector on the Water and Forestry Day for selected project sites on the 25th May, 2022.
- The Renewable Energy Division conducted its first internal and external validation workshop on Samoa’s Low Emission Development Strategy 2021 - 2030 in Upolu on the 7th and 9th June 2022. Relevant stakeholders within the Energy Sectors participated and were able to provide comments to further improve this strategy.
- Senior Renewable Energy Officer was awarded to Mr. Ueligitone Enosa during the fourth quarter of 2021 and Renewable Energy Officer to Ms. Cyprian Fruean in the second quarter of 2022. This appointment completed the Renewable Energy Division with all its positions filled.
- Ms. Cyprian attended a 3 days’ conference debating through “Global Pathways to Hydrogen Energy in the Future” for Islands Community Priorities which led by Institute on Science for Global Policy (ISGP) on the 22nd to 24th June 2022.

SUB OUTPUT 3: ENVIRONMENT SECTOR COORDINATION DIVISION

Sector Annual Reviews (AR) against the National Environment Sector Plan (NESP) 2017-2021

The Sector held its eighth (8th) AR in October 2021 at the Taumeasina Island Resort and the review included presentations for each Long Term Outcomes and the status of its implementation as of End of FY 2020/2021.

- The NESP 2017 -2021 is a five-year sector wide programme covering five fiscal periods FYs 2016/17, 2017/18, 2018/19, 2019/20 and 2020/21.

National Environment Sector Steering Committee (NESSC) Quarterly Meetings

The NESSC convenes on a quarterly basis with four meetings targeted for the financial year. The fourth meeting falls in the following fiscal period, normally in July or August depending on availability of members. The Sector convened three (3) meetings of the NESSC as follows, covering all four quarters of the financial year:



- First quarter, July – September 2021, NESSC convened on 28th September 2021,
- Second quarter, October - December 2021, NESSC convened on 8th December 2021.
- Third and Fourth quarter, January - June 2022, 2 quarters combined due to SOE restrictions, NESSC virtually met on 14th June 2022. NESSC will be held last week of August 2021 (new FY 2022/23).

Quarterly Sector Progress Reports produced and tabled at NESSC Meetings

The Environment Sector Coordination Division (ESCD) provides secretariat services to the NESSC. This includes the facilitation of the NESSC’s agenda and programme in the form of the NESP 2017 – 2021. Quarterly progress reports are compiled by the ESCD with technical inputs from all implementing focal points and partners. These reports are tabled at Quarterly NESSC Meetings for discussion and endorsement.

NESSC Site Visits

The NESSC schedules two (2) site visits annually as part of its monitoring role. The visits also provide an opportunity to ground truth reports and progress benchmarked across the Sector to increase awareness and understanding of existing issues and challenges to better inform the work of the Sector. For this period, we managed to conduct two site visits within this reporting period.

- 18 October 2021 - Upolu
- 7 - 10 March 2022 - Savaii (joint visit with the Water and Sanitation Sector Coordination Division)

Sector Wide Coordination

State of the Environment Report (SOE)

The Ministry is currently reviewing its State of the Environment Report with funding assistance from the Inform Project under SPREP. The 'Planning 4 Sustainable Development' (P4SD) consultancy firm is undertaking this assignment and is expected to be completed by November 2022.

Review and Update of the National Environment Sector Plan (NESP 2017-2021)

The internal review of the NESP 2017 - 2021 has been initiated. However, the completion of this assignment is pending, awaiting the completion of the SOE update to inform the new NESP. This is planned to be completed in the new financial year FY 22/23.

Agriculture Sector - SPO 4

MNRE chairs monthly meetings of the Agriculture Sector's Policy Objective 6 Working Group which is responsible for the Sector's sustainable agricultural and fisheries resource management practices, climate resilience and disaster relief efforts. As part of this role, MNRE reports to the Chair of the Agriculture Sector Steering Committee on a quarterly basis through the ESCD.

National Environment Week 2021

The National Environment Week 2021 was commemorated on November 1st - 5th 2021, on the theme "Ecosystem Restoration: Building forward better for our survival." The week-long event was a collaboration to showcase some of the key achievements of the Sector and its partners including the launching of key national reports/documents, awareness/promotional materials, public consultations on key legislations, signing of partnership MOUs, school science fairs and market days.

The finale of the week saw the celebration of nominated environment champions across various categories in an awards night to recognize their immense contribution towards environment conservation and advocacy at both local, national and international levels. The next national event will be held in 2023.

Green Climate Fund Project Activity- 2.2 Implement ecosystem responses upstream for decreased flows during extreme weather events (MNRE Component)

Component 1: Implementation of the Cash for Work Programme (CfWP)

- The Ministry, with funding from the Green Climate Fund Vaisigano Catchment Project (GCF VCP) employed 35 field assistants with 15 under the Division of Environment and Conservation (DEC), 10 under the Water Resources Division (WRD) and 10 under the Forestry Division (FD) continued field works for the Vaisigano Catchment Area (VCA). Their main responsibilities include the removal of invasive species as part of the land preparation works, seedling collection and propagation,

seedling distribution and replanting activities, and nursery maintenance in support of rehabilitation works in the Vaisigano Catchment area.

- The CfW Programme also supported the 2 Million Tree Campaign 2015-2020 and the Waste Minimization Initiatives as part of best protection options in support of Biodiversity Conservation.
- The Project through the DEC, completed 1 follow-up monitoring survey for the invasive water lettuce plant around the VCA and Upolu areas and 2 follow-up bird and butterfly surveys targeting old sites (used in previous surveys). The team also coordinated and supported implementation of training to upskill CfW staff, and to ensure compliance with Occupational and Safety Health measures.

Component 2: Implementation of the Payment for Ecosystem Services (PES) Programme

- MNRE recruited the Live & Learn Environmental Education (LLEE) through UNDP to implement the PES Full Feasibility, Design and Implementation work on April 23rd 2020. LLEE completed the first two stages which include the Inception Full Feasibility Report of two pilot sites.



- Other milestones delivered in 2022 includes the final Project Idea Note (PIN) and Memorandum of Agreement (MoA) with selected landowners. Several consultations with selected landowners (Ah Liki and Catholic Church) were conducted to gain their support of the program and to confirm allocation of pre-selected lands for the PES pilot project.
- In addition, the Ministry is also procuring the service of a local NGO as a Project Coordinator for this programme. The main responsibilities include community engagement and conduct specific capacity building programs for the landowners. The evaluation process for this procurement has been fully completed by the end of the Financial Year, pending contract signing and commencement of project activities.

Component 3: Implementation of the Ecosystem based Adaptation Enterprise Development (EbAED) Programme

- The EbAED program aims at improving income generation and businesses at the Household (HH) Level and upgrading existing business activities (EE) and assistance with the establishment of new business activities in the targeted VRCA communities that are compliant with the EbA criteria that would otherwise be financially unviable, and with the CSSP and funding eligibility criteria. This sub-activity is implemented by CSSP in collaboration with the Samoa Business Hub (SBH), with the overall coordination by the Ministry and GCF Project Management Unit (PMU).
- The program continued with implementation and is progressing well despite the implementation challenges encountered throughout the year, particularly the impacts of SOE and National Lockdown as a result of COVID-19, which affected field works and the cost of project materials. From the 195 projects approved under the first Call for Proposals (CfP) in 2019, a total of 83 projects were completed, 17 projects cancelled due to non-compliance, and 95 projects remaining and at different disbursement range.
- The second CfP in 2020 resulted in the approval of 319 projects. By the end of the FY, 7 projects were completed, 20 projects cancelled, with more than 200 remaining and at different disbursement range. The overall disbursement rate for Round 1 is now at 83%, with 35% for Round 2, based on the respective confirmed approved amount by Round.
- CSSP continued its pre-implementation visits (particularly for Round 2) and site monitoring visits to keep track on progress of implementation and provide the necessary assistance to support grantees. In addition, the CSSP continued collaboration with MAF, MWTI, MNRE, PMU and CSOs to improve the technical support for project implementation. A minor contract with EMD is continued to assist in the ongoing management of social media events to improve visibility of the program.

- CSSP hired 4 new positions; Principal Finance and Administration Officer, Principal M&E and 2 Grant Project Officers to assist with EbAED program. This made up a total of 10 GCF funded officers under the CSSP to lead and support implementation of EbAED funded projects.
- SBH continued specific technical trainings and business nurturing trainings for all grantees from the first and second CfP. The Technical trainings covered a wide range of business activities which include mixed crop farming, vegetable farm, ornamental gardening, freshwater farming, waste recycling sewing and other recycle products (paper, plastic, etc), beekeeping, hydroponic and aquaponics farming systems.
- The Business Trainings mainly focused on Business Nurturing Program for Households (HH) and Community-based Organizations (CBOs), and Business Elevation Program for Existing Enterprises (EE). SBH continued its field monitoring visits on a regular basis to track progress of completed projects and gather relevant information for preparation of Business Licenses. As of to date, 21 Business Licenses have been issued to grantees who have successfully completed their projects.

With its significant contribution to environment conservation and sustainability, the EbAED Market Day was initiated as one of the parallel event for the Environment Week 2021. The Market Day aims to provide an opportunity for grantees to participate and utilize the chance to market their products/produce to improve exposure of their businesses, and also to generate extra to support ongoing operations and family livelihoods. The event was coordinated and implemented by the MNRE-ESCD & MNRE-GCF in close collaboration with the CSSP and SBH. Eleven (11) grantees implementing different types of projects were invited to participate (refer types of projects displayed). Of this total, there are seven (7) Households (HH), three (3) Existing Enterprises (EE), and one (1) Community-Based Organization (CBO).







OUTPUT 2:

Ministerial Support



Sworn in ceremony for Honourable Minister

On October 19th 2021, special sworn in ceremony for Hon. Toeolesulusulu Cedric Pose Salesa Schuster as a Minister for Ministry of Natural Resources and Environment (MNRE) and Samoa Tourism Authority (STA)

Highlights of the National Environment Week 2021 Celebration

First National Environment Week Celebration attended by the Honourable Minister Afioga Toeolesulusulu Cedric Pose Salesa Schuster under his leadership as a Minister for the Ministry of Natural Resources and Environment

National Renewable Energy Day 2021

The Ministry through its Renewable Energy Division had coordinated a Quadrathlon Race during the National Environment Week 2021 to commemorate the National Renewable Energy Day, on Thursday 4th November 2021 at Malaefatu Park. A total of 12 teams were selected from ministries, institutions, organizations, and state-owned enterprises. The Quadrathlon Race comprised Coconut Scrapping, Running, Cycling and Wheelbarrow. The purpose of such a commemoration was to raise awareness of the importance of traditional mobility and sustainable transportation methods in reducing GHG emissions. Hon. Minister was one of the participants, and he wished to promote these activities to remind the participants and all of Samoa that traditional transportation is fun, healthy, and free. Such practices can alter our reliance on fossil fuel-based vehicles, contributing to most of our emissions from the Transportation sector.

Launching of the 4 Year Marine Spatial Planning (MSP) Project

Samoa by the Ministry of Natural Resources and Environment (MNRE) with technical support provided by IUCN in partnership with the Samoa Umbrella of Non-Government Organisation (SUNGO), Conservation International, the Waitt Institute and Waitt Foundation.

To promote and raise awareness on the second round of national community and sectoral consultations, MNRE and partners have also launched specific MSP and ocean education materials that include key messages printed and displayed on MNRE vehicles, a public bus that caters for Savai'i Island along with a radio campaign raising awareness on the value of Fish Reserves and No Take Zones. The second round of consultations is anticipated to begin in the second week of September across the 52 coastal community districts, which also includes other key sectors such as education and religious/faith-based entities in Samoa.

“The ocean is a key priority in the European Union Strategy for cooperation in the Indo-Pacific and the Pacific Islands Forum 2050 Strategy for a Blue Pacific Continent. Marine Spatial Planning in Samoa, supported by the European Union through its Global Climate Change Alliance Plus Initiative, translates this strategic priority at the country and community level, to balance ocean protection, the sustainable management of marine resources and adaptation to climate change.”, said the Ambassador of the European Union to Samoa, H.E. Sujiro Seam.

MNRE Thanksgiving Services every Monday

The Ministry conducts its morning devotions every Monday to reflect on God's unconditional love, take note of his word and to pray for everyone's safety, protection and well-being throughout the week.

Commemoration Day for Water, Forests, Wetlands and Meteorology in Samoa

The Minister delivered the keynote speech to commemorate the world celebration for water, forests, wetlands and Meteorology in Samoa.

Minister final meeting with former MNRE Board Member

The Minister met with his Advisory Committee before the Christmas holidays.

Launching of the Climate Change Policy

The Honorable Minister launched the Climate Change Policy as part of Climate Action.

Minister's Pre COP 27 meeting with his Delegation

Preparations for COP 27 A 3-day Pre COP 27 preparation and Dialogue ended successfully preparing participants from key ministries, agencies, NGOs, youth groups, and the private sector for the annual international climate change negotiations; Conference of Parties (COP 27) in Egypt from the 6-18 of November this year. Hosted by Ministry of Natural Resources and Environment in partnership with SPREP, the workshop aimed at equipping Samoa's participants with better understanding of the international climate change negotiations process. The workshop for the delegation was held over the weekend to prepare the participants, including the new ones, to understand the nego-

tiation's history and players, how country positions are formed, documentation used, including treaties, the scientific and political contexts in which COP 27 will take place including current issues that will influence negotiations agendas. The Retreat was Led by the Honorable Minister of Environment, Toeolesulusulu Cedric Schuster, which included the delegations from other ministries who are also attending the COP - MNRE, Ministry of Foreign Affairs and Trade - MFAT, Ministry of Agriculture and Fisheries - MAF, Ministry Women Community and Social Development - MWCSO.

Atoa o Samoa Site Visit

The Government Delegates from American Samoa observed six (6) sites:

- Site1: Water Resource and Forestry Office in Vailima
- Site2: Division of Environment and Conservation (Art Whistler Memorial Gardens)
- Site 3: Leone Bridge/ Vaisigano River Wall Segment 1
- Site 4: Drive through Drains done by EWACC Project
- Site 5: NEOC (National Emergency Operations Centre) Tuanimato
- Site 6: Samoa Meteorology Office (Mulinuu)

The delegates asked questions in which the MNRE staff and ACEO's where able to answer on their current ongoing work to battle Climate Change

Inaugural Pacific Disaster Risk Reduction Ministers Meeting opens in Fiji, 14-16th September 2022

Ministers and officials responsible for Disaster Risk Reduction (DRR) around the Pacific are convening in Nadi, Fiji this week for the Inaugural Pacific Disaster Risk Reduction Ministers Meeting from the 14-16th September 2022. During the opening ceremony, the Samoa Minister of Natural Resources and Environment and Tourism, Hon. Toeolesulusulu Cedric Pose Salesa Schuster was given the honour to accept the Tabua and kava drink for the official kava ceremony to welcome the Ministers, hosted by the Fijian Government. The Ministerial meeting is an important forum to share progress of work, reflect on lessons learnt and best practices, and share experiences in building disaster and climate resilient communities. It is also a strategic precursor for the Asia Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR), jointly hosted by the Government of Australia and the United Nations Office for Disaster Risk Reduction in Brisbane, Australia from 19th-22nd September 2022. The Minister is joined by Fesolai Molly Nielsen (ACEO Disaster Management Office) and Asuao Malaki Iakopo (ACEO Water Resources Division).

Some of the key areas Samoa will be contributing to for the Pacific DRR Ministers meeting will be on Risk Informed development, Disaster preparedness and response, Resilient recovery, and Commitment to Action that will culminate in a “Declaration” issued by Ministers to reflect their commitment to action to address key priorities in resilience strengthening in the Pacific.

MNRE Planning Review

The MNRE Management were present on Thursday at Lava Hotel for an annual review of MNRE Corporate Plans to report and plan the entire scope of the basic functions of each division on what they are working and currently developing. ACEOs and Principals shared their thoughts and innovative ideas that will help move the ministry forward. Also present at the MNRE Planning Review was the Hon. Minister Toeolesulusulu Cedric Schuster and Associate Minister Hon. Faleomavaega Titimaea Tafua. Their contribution and presence was a bonus to the MNRE Planning Review.

Launching of the WASH Sector’s National Communications Strategy and Costed Implementation Plan 2022 – 2025

The WASH Sector’s National Communications Strategy and Costed Implementation Plan 2022 – 2025 was officially launched on Wednesday 27th July 2022 at the Taumeasina Island Resort. The program was officiated by Rev. Elder Ailepata Leuta followed by the keynote address by the Minister of Natural Resources and Environment, Hon. Toeolesulusulu Cedric Schuster where he emphasized on the prominent outcome of this strategy on “Effective and efficient sector communications to change attitudes and behaviors. The WASH Sector’s journey on the Review and Update of its First National Communications Strategy began in 2021 and was made possible with the funding assistance of the Asian Development Bank’s TA program for Strengthening WASH Practices and Hygiene Behavioural Change in the Pacific directly to address COVID 19 pandemic to improve WASH practices through behavioural campaigns and to strengthen the capacity of WASH service providers







OUTPUT 3:

LAND MANAGEMENT

GOVERNMENT LAND LEASES

The Land Board (LB) carried out three (3) Board Meetings for this FY. The transition period from the old to the new Government Administration in 2021 and the pandemic decelerated the general operations of the LB. Nevertheless, all matters received for FY2021/2022 were tabled for discussion. The Land Board is entitled to monthly meetings to discuss and deliberate on approval or not of land matters which relates to government lands.

Table 1: Land Board Meetings

# of Meetings	# of Applications Approved	# of Land Taking	# of Application Deferred
3	22	3	-

LAND LEASE COLLECTED

The collection for FY2021/2022 declined by 32%. The strict collection for lease payments were enforced but due to pandemic disruption, a number of lessees were not able to pay their leases in full. The Land Board also approved a deduction of 50% for all hotel and other business lease charges in the last two FYs to assist with the impacts of the pandemic which also contributed to the decrease of revenue collected.

Table 2: Revenue from Government Land Leases

SUMMARY	TOTAL	
	FY2020-2021	FY2021-2022
Aleisa	\$52,526.00	\$134,877.84
Tanumalala	\$24,541.00	\$21,523.00
Miscellaneous	\$1,457,883.67	\$860,665.00
Reclamation	\$19,580.00	\$9,569.00
Nuu	\$2,855.00	\$2,165.00
Toomatagi	\$0.00	\$350.00
Afiamalu	\$7,521.00	\$ 5,705.00
Tiavi	\$1,797.00	\$5,243.00
Laloanea	\$32,012.00	\$19,650.00
Motootua	\$300.00	\$0.00
Apia Park	\$600.00	\$3,700.00
Paper Work	\$1,300.00	\$1,830.00
TOTAL	\$1,600,915.67	\$1,065,277.84

BURIAL PLOTS

The revenue collected from Government Burial Plots increased for the FY. Most of the income generated from the burial plots are from individuals who paid for reserve plots to be utilized in the future. The two main areas which received highest income are Tafaigata and Vailele as they have several plots available for purchase. Whereas Magiagi and Tufuiopa cemeteries collected the least revenue as they have very few plots remaining.

Table 3: Revenue Collected from Government Land Section

Summary	2020-2021	2021-2022
Burial Plots	\$22,600.00	\$39,600.00
Lease Payments	\$1,300,915.67	\$1,065,277.84
TOTAL	\$1,623,515.67	\$1,104,877.84

Table 3: Revenue Collected from Burial Plots

LOCATION	REVENUE	
	2020-2021	2021-2022
Tafaigata	\$16,250.00	\$27,300.00
Vailele	\$5,000.00	\$11,400.00
Maagiagi	\$1,200.00	\$900.00
Tufuiopa	\$150.00	\$0.00
TOTAL	\$22,600.00	\$39,600.00

GOVERNMENT LAND ACCESS ROAD CONSTRUCTION

A budget of \$500,000 was set aside for construction of access roads for government lands currently leased to the public in the FY2021/2022. At the end of the FY four (4) access roads have been completed in the following areas;

LAND TAKING PROJECTS

During the FY, the Government Land Section led with Taking of Land process for Government Projects under other Corporations & Ministries. These includes;

- Land taking for Rehabilitation of West Road – Implemented by LTA & MWTI;
- Land Taking for Vaisigano River Wall – Implemented by MWTI, MOF & GCF;
- Land Taking for Rehabilitation of Cross Island Road – Implementing Agency: LTA & MWTI;

CUSTOMARY LAND LEASE

There is a decrease noticed for this financial year

Table 4: Revenue from the 5% Commission in Leasing Customary Land & other Services for the period 2021-2022 compared to 2020-2021

Total Revenue from 5% Commission			
Month	FY20/21	Month	FY21/22
July	\$17,381.48	July	\$19,788.03
August	\$6,312.38	August	\$3,491.14
September	\$5,964.22	September	\$4,718.77
October	\$4,172.85	October	\$5,847.68
November	\$2,971.39	November	\$2,145.83
December	\$1,535.89	December	\$3,445.76
January	\$2,770.57	January	\$2,550.25
February	\$3,290.49	February	\$3,848.11

March	\$1,107.82	March	\$1,973.50
April	\$11,280.17	April	\$2,820.34
May	\$738.75	May	\$3,441.02
June	\$2,149.88	June	\$2,255.98
TOTAL	\$ 59,675.45	TOTAL	\$56,326.41

There was a decrease in the number of new leases for this financial year compared to last year as shown in the table above. The majority are renewed leases with a few new approved ones.

Table 5: New Customary Land Leases Financial Year 2021-2022

Lessee	Villages	Tally
Vodafone	Vaie'e, Safata	1
SWA	Lefagaoalii, Savaii	1
	Maagiagi	1
SDA	Saoluafata	1
Worship Centre	Letui Savaii	1
	Iva Savaii	1
SISDAC	Saoluafata	1
LDS	Satalo, Falealili	1
	Sili, Savaii	1
Individual Businesses:		
E&J Enterprise	Lalomanu, Aleipata	1
Fico Construction	Pu'apu'a	1
	FINANCIAL YEAR 2021-2022	11
TOTAL	FINANCIAL YEAR 2020-2021	23

LAND POLICY & DEVELOPMENT

The Land Development Section (LDS) was created in 2001 with a core function and central focus solely on policy formulation and development of all land policies related to the administration and full development of lands and land aggregate resources in Samoa. In this respect, all land policies were developed towards achieving the key objective of the Division at the time which for this section, its original policy development goal and purpose was as a policy advisor to the CEO through the ACEO-LM, via its policy development role, on the sustainable use and management of government and customary lands. That is, newly developed and reviewed land policies had since been aligned well and applied, as form of best practices, to sustainably manage the land tenure and all land developments on public land using regulatory tools such as on a short-term temporary basis, the permit and licensing systems whilst longterm duration, through the leasing mechanism.

The LDS evolved and in less than two years since its creation, the section function grew and expanded to the actual administration side with a more active regulatory role by way of monitoring and implementing some or all of the policies it was responsible for its existence, through the permit and licensing tools. The section is also the national coordi-

nating unit for implementing the United Nations Convention to Combat Desertification (UNCCD) at all levels; national, regional and international.

The reporting aspect on progress and status of implementation of the policy function and UNCCD implementation, have not been part of annual reporting for the last 5 to 10 years as focus has shifted from policy to implementation of these newly revised as well as new land policies. It involves the administration of receiving and processing of applications (Sandmining, reclamation, stalls, billboards), monitoring and revenue collections from land development activities permitted on land on a temporary basis. In this year's annual reporting, and as part of activating and reviving the reporting on status of implementing the policy function of the section as well as UNCCD, we will also reflect on the history whilst informing the present and the future intention or direction of these functions, in section parts 1 & 2.



LAND POLICY DEVELOPMENT (UPDATE)

Existing Land Policies (prior to 2001)

1. Land Policy on the Administration of proposed uses (residential or commercial) of government lands for lease purposes to public stakeholders
2. Land Policy on the administration of leased proposals for use of government lands by government Ministries, Corporations and NGOs
3. Land Policy on the administration of proposed customary land leases by the individual public, private developer or investor etc.
4. Reclamation Policy 1974

Newly revised and developed Land Policies (during & after 2001)

5. Reclamation Policy 2000-2001
6. Allocation of Government Land Spaces in the Town area Policy 2002

7. Signage (or Billboard) Policy on Government Lands 2002
8. Sandmining Policy 2003
9. Some of the above policies have expanded in national scope and recognition which to date, have thus far translated into the following;
10. Apia City Waterfront & Town area Vendors' Management Strategy 2020 – 2030 (has replaced Policy [vii] above).
11. Masterplan for Government Lands under the Land Board control 2022 – 2032 (has refined/upgraded Policy [i] above).
12. Land Policy (vii) above has been refined (not replaced) by PUMA Signage Policy 2007 to include signage erected on freehold and customary lands because of their mandate.

In the pipeline, the following policies are scheduled for revision within the next financial year (2022/2023 – 2023/2024):

1. **Reclamation Policy 2022-2032 (pending)**
2. **Sand mining Policy 2022-2032 (pending)**
3. **Land use Policy (2022-2032 (pending)**
4. **National Sustainable Land Management Policy (pending)**

The development of the Soil Resources Management Bill and the Mining Regulation is facilitated through consultancy works, with internal and external stakeholder consultations undertaken.

ADMINISTRATION OF THE SANDMINING ACTIVITY

This function focuses mainly on administering sandmining applications that are lodged in by public individuals and/or commercial operators with the Ministry on a daily or weekly basis.

Table 6: Sand Mining Activity Revenue

Months	2020-2021		
	Permits	Volume	Revenue
July	0	0	0.00
Aug	6	46m ³	330.00
Sept	9	219m ³	1,545.00
Oct	9	109m ³	545.00
Nov	4	102m ³	810.00
Dec	2	54m ³	520.00
Jan	1	10m ³	50.00
Feb	0	0	0.00
Mar	3	70m ³	350.00

Apr	3	30m ³	150.00
May	2	19m ³	95.00
June	1	20m ³	100.00
TOTAL	40	679 cubic m	\$4,495.00
Months	2021-2022		
	Permits	Volume	Revenue
July	2	40m ³	200.00
Aug	1	10m ³	50.00
Sept	0	0	0.00
Oct	0	0	0.00
Nov	2	20m ³	100.00
Dec	1	10m ³	50.00
Jan	0	0	0.00
Feb	1	10m ³	50.00
Mar	0	0	0.00
Apr	1	20m ³	100.00
May	0	0	0.00
June	2	60m ³	300.00
TOTAL	10	170cubic m	\$850.00

For this financial year 2021-2022 compared to the last one as Table 6 indicates, the revenue from sandmining has significantly dropped to its lowest by more than 50%. This is attributed to the impacts of the lockdown and SOE restrictions that limited the working hours for staff and the public hence limiting the amount of works requiring the use of the resource, impacting on the demand and in turn reducing the revenue collection.

ADMINISTRATION OF THE RECLAMATION ACTIVITY

We also facilitate the administration of applications for proposed reclamations by individual families, churches, village or communal projects including reclamation proposals from businesses and larger companies. The minimal time for process applications is 3 months to 6 months' duration or it can take up to a year or more depending on the nature of application, environmental concerns, legality and land tenure issues provided and that there are no objections received by the Office against such development. All applications or proposals for reclamation are processed through the Land Board thus chaired by the Minister of the Ministry of Natural Resources and Environment (MNRE).

Table 7: Reclamation Applications Received & Revenue

Month	2020-2021		2021-2022	
July	0	\$0.00	3	\$1,500.00
Aug	0	\$0.00	1	\$500.00
Sept	2	\$1,000.00	0	\$0.00
Oct	1	\$500.00	2	\$1,000.00
Nov	0	\$0.00	1	\$500.00
Dec	0	\$0.00	0	\$0.00

Jan	0	\$0.00	0	\$0.00
Feb	1	\$500.00	0	\$0.00
Mar	1	\$500.00	0	\$0.00
Apr	0	\$0.00	0	\$0.00
May	0	\$0.00	0	\$0.00
June	5	\$2,500.00	1	\$500.00
TOTAL	10	\$5,000.00	8	\$4,000.00

For reclamation, revenue has dropped by \$1,000 which indicates that less people have applied for reclamations this time than there were in the previous financial year. As table 7 shows, the months from December 2021 to May 2022, there were no applications received for reclamations.

ADMINISTRATION OF STALLS OPERATIONS

Stalls are mainly operated by vendors who applied for permit either daily or weekly to carry out their temporary stall operations mainly for small income for individuals or families.

Table 8 below clearly shows the few permits issued were for the market days by TV1 and SBEC for Mother's day and White Sundays. Stall operations are restricted at Malaefatu national reserve due to lack of town area land spaces along the waterfront area for vendors to operate on.

Table 8: Stall Revenue from Vendors at Malaefatu Reserve

Permit Issued per Financial Year				
Month	2020-2021		2020-2021	
July	0	0.00	4	530.00
Aug	0	0.00	3	960.00
Sept	0	0.00	1	120.00
Oct	3	300.00	4	1,260.00
Nov	1	50.00	5	650.00
Dec	1	20.00	4	1,630.00
Jan	0	0.00	2	280.00
Feb	0	0.00	0	0.00
Mar	6	880.00	2	330.00
Apr	6	2,450.00	1	1,000.00
May	5	440.00	1	30.00
June	3	500.00	3	300.00
TOTAL	25	\$4,640.00	30	\$7,090.00

ADMINISTRATION OF SIGNAGES OR BILLBOARDS

In total, only 2 billboard applications were received and one license issued by the Ministry in this financial year. Duration for processing license issued for this activity, can be very lengthy as application goes through the referral process to LTA especially if proposed site is by the road or on road reserve prior to issuance of Development Consent Approval then issuance of License to erect billboards or signages on government lands.

Table 9: Signage Revenue for FY21-22

Financial Year	Applicant	No. of License Issued	Amount Paid	Total
2020-2021	2021 election billboards	4	240.00	240.00
	FD-MNRE billboards	2	Exempt from fees	
2021-2022	Naydith Company	1	300.00	300.00

LAND REGISTRATION

The Land Registration Section collected within this Financial Year 2021/2022, from all its revenue-generated services the total amount of \$221,591.00. A moderate revenue drop compared to last financial year's registration services recorded a revenue of \$236,789.00 (FY 20/21 Annual Report). The recorded number of paid registration services for all FY21/22 lodged legal registration instruments and FY20/21 rolled-over instruments is 2004, generating the total registration services revenue of \$200,400. For land search, A4 & A3 Copy services, the total amount of \$21,191.00 is recorded to be generated in this fiscal year. These services were provided on a daily basis to the public & Law Firms by the Land Registration Section. The Registrar's internal services are all exempted of \$100.00 registration fee. The recorded amount of registrar's services in this financial year is \$1,420.

Table 11: Revenue Generated from Registration Services (External)

Land Registration Services	Lodged	Registered	Ongoing	Requisition	20/21	Grand Total	Fee	Revenue
Assignment of Lease	1	1	0	0	0	0	\$100	\$100
Change Right/Registration	17	13	4	0	0	17	\$100	\$1,700
Discharge of Mortgage	449	446	2	2	2	451	\$100	\$44,900
Record Caveat	38	36	2	6	1	39	\$100	\$3,800
Record Court Order	1	1	0	0	0	1	\$100	\$100
Record Customary Land Lease	1	1	0	0	0	1	\$100	\$100
Record Freehold Land Lease	61	62	0	0	1	62	\$100	\$6,100
Record Government Land Lease	120	120	0	0	0	120	\$100	\$12,000
Record Unspecified Lease	2	0	2	1	1	3	\$100	\$200
Record Miscellaneous	13	13	0	1	0	13	\$100	\$1300
Record Mortgage	497	492	3	9	2	499	\$100	\$49,700
Record Transmission	65	65	0	3	0	65	\$100	\$6500
Removal of Caveat	18	16	0	1	0	18	\$100	\$1800
Termination of Lease	9	9	0	2	1	10	\$100	\$900
Transfer of Title	583	573	5	16	2	585	\$100	\$58,300
Variation of Lease	1	1	0	0	0	1	\$100	\$100
Variation of Mortgage	36	36	0	1	1	37	\$100	\$3,600
Record Power of Attorney	91	90	1	3	1	92	\$100	\$9,100
Record Standard Memorandum	1	1	0	0	0	1	\$100	\$100
Total	2004	1976	19	45	12	2016	\$100	\$200,400

Table12: FY21/22 Non-Revenue Generated Registration Services

Service	Lodged	Registered	Cancel	Requisition	20/21
Cancel Memorial	26	24	2	0	0
Cancel Miscellaneous	1	0	1	0	0
C/Mort Under Power of Sales	17	15	2	0	0
Cancel Title	189	157	5	28	0
Cancel Transmission	3	1	2	0	0
Convert to Tile	28	27	1	0	0
Correct Registry	98	94	4	0	0
Correct Registry/Cancel Registry	48	45	4	0	0
Create New Title	952	907	16	48	0
Lapsed Caveat	10	9	1	0	0
Record Life Estate	1	1	0	0	0
Record Memorial	33	32	1	0	0
Record Proclamation	11	11	0	0	0
Terminate Government Lease/Customary Lease	3	3	0	0	0
Total	1420	1326	39	76	1

Table 10: Land Searches & Registration Forms

Services	Amount Collected
Registration	\$200,400.00
Searches, Copies & Forms	\$21,195.00
TOTAL	\$221,591

LAND VALUATION SERVICES

Table 116: Performance Indicator (KPI)

Performance Measure	Budget Standard	Traffic Light	Comments
Number of applications for valuation processed and approved	100	Achieved	220 valuation recorded: 217 individual; 2 compensation cases; 1 Land Board request
Number of stamp duty applications processed and approved	400	Achieved	Instrument presented to the Ministry for stamping; 573 transfer recorded

Table 12: Valuation Works & Revenue

Valuation Tasks	Number	Revenue Collected
Individuals	217	\$87,550.00
Compensation valuation (as per Taking of Land Act 1965)	2	These are considered as official valuation works
Official Works (Land Board request)	1	
Total Valuation work	220	\$87,550.00
APC Registered valuers @\$250	4	\$1000.00
TOTAL		\$88,550.00

Table 18: Total Valuation Revenue

Valuation Works	\$87,650.00
Stamp Duty (573 transfer)	\$2,234,756.40
TOTAL	\$2,322,406.40

LAND COMMISSION

Land Commission continues to facilitate and ensure that all land claim matters are well served, documented and properly managed for the effective decision making by endorsement of the members of the Land Commission at the Court.

Table 19: Revenue Collected from Claims Lodged by the Claimants to the Land Commission for Investigation 21-22 Compare to 20-21

Number of Claims Submitted	Revenue		Number of Claims Submitted	Revenue	
	Claims	Objections		Claims	Objections
Land claim 147 at Leauvaa	1	4	Land Claim 148 at Tuasivi Savaii	1	1
\$500 for each claim and objection	\$500	\$2,000	\$500 for each claim and objection	\$500	\$500
TOTAL	\$2,500		TOTAL		\$1,000

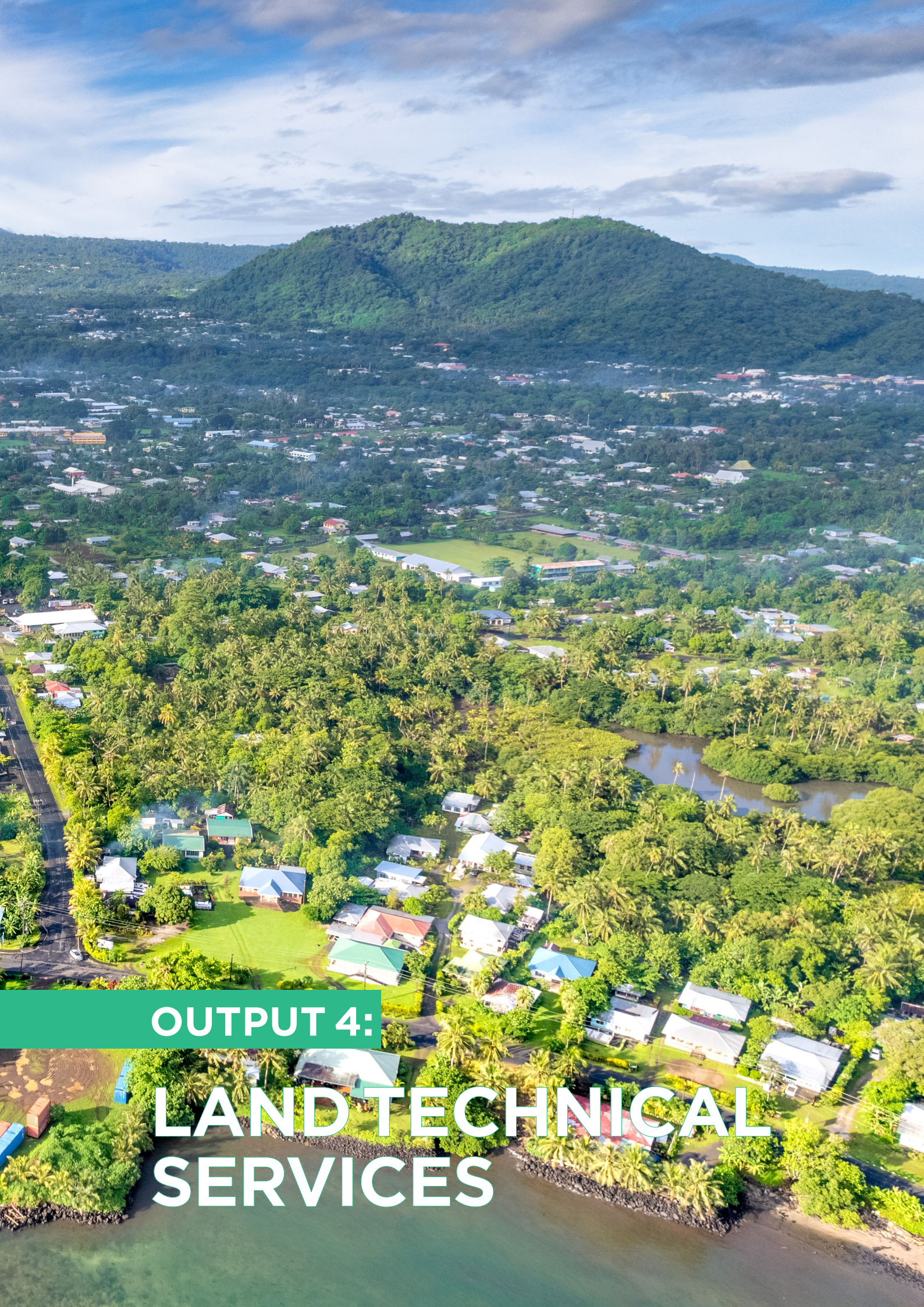
OVERALL SUMMARY - LMD ANNUAL WORK PERFORMANCE & TOTAL REVENUE

Table 21: Total Land Management Revenue 21-22

Land Management Sections/Commissions	Total Annual Revenue by Section/ Commission
Government Land Lease	1,108,877.84
Customary Land Lease	56,326.41
Land Development	12,240.00
Land Registry	221,591.00
Land Valuation	2,323,306.40
Land Commission	1,000.00
Customary Land Advisory Commission - CLAC (non-profit)	0.00
TOTAL ANNUAL REVENUE	\$3,723,341.65

And this is an immense revenue loss of close to \$1.5m or by a margin of 26% from the last financial year. Such is attributed to a combination of social and economic circumstantial factors that impacted on the business as usual activities and routine revenue collection processes.





OUTPUT 4:

**LAND TECHNICAL
SERVICES**

The Survey Division provides technical services to support the sustainable development and management of natural resources and the environment.

SURVEY SERVICES

Survey Section execute all survey work requested by the Land Board, Divisions of the Ministry and any other works approved by the Minister or the CEO. Survey Section also responsible for inspection and investigation survey required by the Ministry and surveys executed by private Surveyors.

GEODETTIC CONTROL NETWORK

Survey Section is also responsible for the establishment, maintenance and upgrading of Geodetic Control Network. The networks consist of the horizontal and vertical datum. It is the framework or backbone of all surveys in Samoa. For this financial year, there is small percentage of work completed due to shortage of staff and other urgency work that required our services

SPATIAL DATA INFRASTRUCTURE

There are two Global Navigation Satellite System (GNSS) located at Faleolo and Fagalii airport which was known by the name Continuous Global Position System Stations (CGPS). The Survey Section is also responsible for the maintenance of both stations. Fagalii GNSS station is to monitor climate change and Sea Level Rise in the region and it is the effort and collaboration by Geoscience Australia (AusAid) and Samoa Government. Faleolo GNSS station was installed in 1996 and it is a research project initiated by the University of Hawaii and in collaboration with the Institute of Geological and Nuclear Science of New Zealand and the Government of Samoa. This project is to monitor the crusty movements of tectonic plates of the South West of the Pacific Region. The data collected is relayed weekly to New Zealand for analyzing and provide yearly reports for enabling decision making.

ISSUANCE OF SURVEYORS LICENSE AND ANNUAL PRACTICING CERTIFICATES

Registered licensed Surveyors in Samoa.		Status
1	Tuala Piki Tuala	Private
2	Manu'alesagalala Lemalu Enokati Pelo	
3	Galuvao So'oalo Viliamu Sepulona	
4	Seve Keilani Solo	
5	Alaiasa Sagalala Salanoa	
6	Seiuli Ueligitone Seiuli	
7	PesetaTupai Eseta Maualaivao	
8	Levei Tanoi Auelua	
9	Ataataotaulelei S. Salanoa	
10	Safuta Toelau Iulio	MNRE
11	Asi Vitaoa Peleiupu Fuatai	
12	Tuala Petania Tuala	SLC
13	Safiu Fenika Oloapu	

Table 1: Registered Licensed Surveyors in Samoa

This financial year, eight (8) annual practicing certificates were issued to private surveyor in the private sector, one (1) issued to Samoa Land Corporation (SLC) surveyor and three (3) were issued to the Ministry within this Financial Year 2021/2022.

Within this financial year, the survey section performed extremely well to achieve its targets and completed most survey requests by the Ministry and the Government within its agreed timeframe. The services are provided in accordance with Survey Act 2010, Survey Regulations 2011 and Ministerial Policies off land related matters.

Table 2: Works within this Financial Year

Work Execute	Status	Number of Lots	Combined Areas (hectares)
Redefinition Survey	8 requests 8 completed	12 lots	15.2934ha
Subdivision Survey and others	5 requests 1 approved 4 ongoing	24 lots	35.2483ha
Established of new survey point(GPS)	41 requests 41 completed	104 Survey Points	

Table 13: Revenue from License & GPS Hire

Revenue collected	No.	Fee	Total
Surveyors Annual Practice Certificates	9	\$200	\$1,800
Hire of GPS equipment's (Established of new marks for horizontal network)	41	Different rates (between \$200 to \$300)	\$6,500
			\$8,300

SURVEY QUALITY ASSURANCE

The Survey Quality Assurance. Section is responsible for :

- Receiving and reviewing of all Survey plans that are lodged by Licensed Surveyors, as commissioned by the public.
- Supports various divisions of the Ministry where required for the presentation of cadastral boundaries, indexing of Land Survey information on Record & Cadastral Maps, Issuance of Field Books and Plan numbers.
- Scanning of plans and recording on the shared T- Drive.
- Maintenance & updating of Solution for Open Land Administration (SOLA) System

Table 14 Key Performance Measures

Output	Performance Measures	Achievements
Plans received from Licensed Surveyors for review and approval.	151 plans received, prepared and taken for ACEO’s assessment before action of lodgment.	Completed and lodged to the system. Achieved and on going
Plans to be lodged to the system	151 plans lodged to the system and allocated numbers in preparation for examination	Completed and prepared for examination. On going process
Examination of plans	151 plans examined and completed	All 151 plans examination completed 145 plans approved, 5 plans returned to Surveyors for requisitions 1 plan on investigation. This is an on going process
Scanning Approved Plans	145 copies of approved plans sent to surveyors 145 approved plans scanned and saved to the System (T-drive) for public use at the counter.	All completed and achieved on going activity
Approved plans digitized	Digitized 145 approved Plans on the Solution for Open Land Administration (SOLA) for the purpose of the Land Register of titles. Four (4) plans are for the district boundary, 32 plans for lease and 34 plans proclamation and control	Completed and achieved on going activity.
PUMA Consent	145 PUMA consent received and reviewed	Completed and plan approved
195 Change Maps	Provision of Service to urgent request.	Completed & Achieved
Investigation requested	Search and investigation for parcel 203/42 on plan 2234 at Taufusi. Completed send report to ACEO/SIA	Completed & achieved

Table 5: Revenue Collected July 2021-June 2022

	Receipts	Internal
Plan Examination fees	\$16,122.50	\$103.50
Field Books	\$ 350.00	\$50.00
Plan Copies	\$ 70.00	\$20,725.00
Total	\$16,542.50	\$20,878.50

NATIONAL MAPPING

The National Mapping Services is responsible for the production of the National Based Map for the country. One of its core functions is to update and revise all the spatial dataset/GIS layers which were used for the production of the National Topographical maps of the whole country. It also provides technical services and the application of GIS on various fields if needed by the ministry, external ministries and private organization. We also provide public access to high quality and reliable geospatial datasets and information to assist and support Government and Private Organization decision makers, for the sustainable management of our natural resources and environment.

Output	Performance Measures	Achievements
Number of maps produced and sold both public and government ministries	Both electronic and hardcopies maps been produced	100% maps produced and sold both public and government ministries
Number of Spatial Dataset License Agreement signed and released Data	Spatial dataset has been requested by government ministries and internally for their project works	2 Spatial data license agreement has been signed and released its dataset both internal and external
Compiling GIS Layers for Groundtruthing conducted on the financial 2021-2022	Delineation of GIS Layers using the imagery 2015	8 GIS Layers already been digitized and compiled. Groundtruthing was scheduled to be conducted in FY2021-2022 but due to lock down of the COVID, it is now postpone to FY22/23
Number of Technical work conducted for the delimitation maritime boundary for Samoa's EEZ	Spatial Datasets has already been exchanged for all four neighboring countries. Validating of three neighboring countries proposed median line.	Complete verification and validating of U.S proposed median line, more technical issues found and need more clarification, so technical work still on progress. Validation on computed proposed median of Samoa and Wallis & Futuna has been completed, complete Samoa technical report and proposed median line between our boundary with Wallis & Futuna (technical proposal will be exchange soon)







OUTPUT 5:

ENVIRONMENT AND CONSERVATION

TERRESTRIAL BIODIVERSITY CONSERVATION

- Submitted technical review for the draft TOR for the final development and endorsement of the EMC Bill
- Submitted technical review for the draft Genetic Resources and associated Traditional Knowledge
- Completed site assessment and monitoring for flying fox at Uafato Malololelei, Vailima, Savaia, Fasitoo-uta, Safune and Falealupo
- Completed monitoring survey for birds for Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pu'e National Park, Malololelei Nature Reserve, Falealupo Peninsula, Falealupo coastal, Tafua crater, Tafua coastal and Salelologa coastal area.
- Completed technical training for staff on seabirds monitoring works methodology
- Completed reptiles monitoring at Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pu'e National Park, Malololelei nature reserve, Falealupo peninsula, Falealupo coastal, Tafua crater, Tafua coastal and Salelologa coastal.
- Completed butterfly monitoring for Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pu'e national park, Malololelei nature reserve, Falealupo peninsula, Falealupo coastal, Tafua crater, Tafua coastal and Salelologa coastal area
- Submitted technical review for five (5) terrestrial research applications (i) Biodiversity (invertebrates, fresh water fish and shrimp survey at Alaoa, (ii) investigate the relationship between humans and invasive species, (iii) mapping widespread weeds before and after cyclonic activities in the Pacific, (iv) study to isolate and characterize bioactive natural products from Samoa medicinal plants, (v) screening of the selected plant material, marine samples and soil samples for bioactivity (anti-microbial, anti-enzymatic and anti-cancer properties
- Issued five (5) ABS agreements and export permits for the approved terrestrial research applications.
- Addressed complaints and concerns received; (i) identification of unknown distressed bird, (ii) released of a captured juvenile Manutagi, (iii) uplifted a distressed Tuameo, (iv) illegal selling of pigeon's instruments reviewed and initial report developed on the legality of pigeon sales.
- Completed three (3) meetings of the Samoa National Invasive Task Team (SNITT)
- Reviewed and submitted Invasive Species questionnaire to SPREP
- Completed the Rattan Palm controlled operation at Papaseea
- Completed a rat monitoring survey at Malololelei nature reserve
- Completed the implementation of the Manumea conservation consultation at Faleaseela community

- Participated at Manumea monitoring survey at Uafato
- Completed data collection for Manumea and Ma'oma'o at Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pu'e national park, Malololelei nature reserve, Falealupo peninsula and coastal, Tafua crater and coastal areas and Salelologa coastal area.
- Completed five (5) public awareness and community outreach programs for terrestrial biodiversity conservation; (i) Manumea consultation at Faleaseela, (ii) Samoa College career day for Yr 9 to Yr 13 students, (iii) Ecosystems restoration and invasive species management at Matautu Lefaga community, (iv) Biodiversity Conservation and Waste Management Day, (v) National Environment Week
- Procured 429 types of Terrestrial Biodiversity Conservation awareness materials (bird, manumea posters, water lettuce, myna bird, reptile brochures, butterfly booklet and invasive plant poster and pull up banners)
- Updated ABS/Traditional Knowledge associated with Genetic Resources database – four (4) approved terrestrial research application, ABS agreements and export permits Updated existing database on birds, butterflies, reptiles and water lettuce
- Completed initial discussion for technical training facilitation
- Completed two (2) trainings to enhance the implementation of Nagoya Protocol on ABS in Samoa
- Participated in virtual meetings listed below:
 - » Pacific Preparatory Virtual Meeting for the Open-Ended Working Group on the Post 2020 Global Biodiversity Framework
 - » Polynesian Workshop on NBSAP Gap Analysis coordinated by SPREP
 - » Open-ended working group for the Global Biodiversity Framework
 - » Samoa National Codex Committee Meeting coordinated by MCIL
 - » 4th Pacific Webinar on ABS
 - » Regional ABS for the remaining activities for Samoa.



MARINE BIODIVERSITY CONSERVATION

- Redrafted International Trade in Protected Species Bill 2021 completed
- Samoa Ocean Strategy (SOS) implementation:
 - » Website and logo officially launched
 - » Completed the 1st stakeholder consultation for the development of the SOS Science Strategy Marine Spatial Planning Implementation
 - » Completed 41 community consultations, covering 177 coastal villages within 52 political districts in Upolu, Savaii, Manono and Apolima
 - » Completed 4 key sectoral stakeholder consultations (Tourism, Fisheries, Government entities, NGOs)
- Research and monitoring/survey:
 - » Completed mangrove audit assessments for Fagalii and Fusi Saoluafata
 - » Completed turtle nesting monitoring for Matautu, Lefaga
- Ecosystem rehabilitation program:
 - » Replanted 2,759 mangrove seeds of *Bruguiera gymnorrhiza* and *Rhizophora samoensis* species
 - » Fabricated and deployed coral reef nursery units in 5 villages in Sava
- Community Consultation at Moataa
-

NATIONAL PARKS AND RESERVES CONSERVATION

- Facilitate process for the proclamation requirement of the four (4) terrestrial reserves with legal boundaries confirmed from the Technical Division of MNRE.
- One (1) MOU signed between the MNRE and Matautu Lefaga to officiate partnership through the establishment of a new CCA in the village for biodiversity conservation and ecosystem management.
- Completed draft MOU with Fasitoo-uta private land ownership who indicated commitment to reserving of their 30 acres of land for species conservation.
- Completed maintenance of 11 terrestrial reserves under the management of the NRPA services.
- Implemented garden design for the Lelata reserve.
- Completed set of monitoring and reporting of the five (5) reserves maintained by the private contractor.
- Completed the establishment of rare plant garden at Vailima National Reserve in memories of the renowned botanist in the Pacific and Samoa: Dr. Art Whistler.
- Completed draft zoning plan for the Vailima Botanical Garden
- Completed maintenance and upgrading of the Mt. Vaea 3.2km loop trail

- Completed two rounds of tree trimming along the Apia Waterfront area
- Completed the landscaping design and maintenance of the eastern part of the Friendship Park at the Eleelefou reserve
- Completed two rounds of monitoring for the rat control project at Malololelei and a follow-up visit to the rattan palm site at Papaseea
- Completed restoration of 12.2 hectares of land with mix native trees by the Reserves Section and its partners
- 22,522 seedlings of mix natives and ornamental plants propagated and raised at Vailima Reserve Nursery
- More than 11,000 seedlings dispatched to support communities and partners tree planting and ecological restoration activities
- Teachers and students from (4) schools AMOSA, NUS, SDA Lalovaea and
- Six (6) tree planting activities organized and implemented in collaboration with SCS, UK and NZ High Commission Office
- Completed GIS refresher training coordinated and supported by SPREP BIOPAMA Project in collaboration with the NRPA
- Completed the basic English and Nursery Operational and Propagation techniques for the “cash for work” workers in collaboration with the GCF project
- Completed procurement process for re-tendering zone two maintenance services for the next 3-year term.



SOLID WASTE MANAGEMENT SERVICES

- Completed 3rd Joint Coordinating Committee and Steering Committee Meetings for J-PRISM II Project.
- Drafted CERO Waste Policy under the UNDP CERO Waste Project.
- Completed internal and stakeholders consultations for CERO Waste Policy.
- Drafted Disaster Waste Management Response Plan.
- Completed internal and stakeholders consultations for Disaster Waste Management Response Plan with DMO/NEOC.
- Completed two community awareness programs for Vaiusu during the commemoration of the Global Coastal Cleanup Day with assistance from the AFD/SWAP Project and Saletagaloa village under the UNDP/SGP scheme.
- Completed two community waste audits at Vaiusu and Saletagaloa.
- Completed public consultations on the User Pay System for Waste Collection Services.



CHEMICALS AND HAZARDOUS WASTE MANAGEMENT

- Provided support actions to the drafting of the CERO Waste Policy under the UNDP CERO Waste Project
- Advanced Recovered Fee Deposit Feasibility Study developed
- MOU signed and in place for implementation of the Pacwaste Plus Project activities
- Drafted TOR for the development of National Transboundary Movement Guidelines
- Support actions provided to improve effective monitoring of the Health Care Waste Management System and other Waste law enforcement
- Completed twenty four (24) monitoring visits for Tafaigata Sludge Facility in Upolu
- Completed 6 monitoring for Vaiaata Sludge Facility in Savaii
- Conducted twenty four (24) monitoring visits for three Public Toilets at Mulinuu, Sogi and Eleele-fou
- Conducted five (5) monitoring visits on the management of Health Care Waste management system
- Conducted three (3) monitoring surveys on seized commodities, unregistered and expired pesticides
- Conducted three (3) asbestos inspections and provided assistance on handling and safely disposal
- Conducted ten (10) toner collection in partnership with SSAB Take Back Initiative
- Assessed and issued consents to twelve (12) transboundary movement of hazardous wastes both on transit and export applications
- Conducted individual training for SSAB staff on transboundary movement process
- Attended to twenty-three (23) open burning cases reported to office. Five (5) advisory letter delivered for non-compliance.
- Conducted three (3) monitoring visits on schools compost sites at Tanugamanono Primary School, Leififi College, Papauta Girls College and Avele College to improve and strengthen waste minimization programs
- Conducted one (1) community consultation program at Saletagaloa Salelologa on composting of organic wastes.
- Joint workshop for SSAB interns on segregation of e-wastes.
- Developed pull ups and billboards on open burning and segregation styled cut outs to promote segregation of recycled materials.



A large, ancient tree with a thick trunk and sprawling branches, set against a backdrop of a lush forest and a distant town. The tree is the central focus, with its trunk and branches extending across the frame. The background shows a dense forest of green trees and a small town visible in the distance under a cloudy sky. The overall scene is a natural, outdoor setting.

OUTPUT 6:

**FORESTRY
MANAGEMENT,
PLANNING &
RESEARCH
SERVICES**

EFFECTIVE AND SUSTAINABLE MANAGEMENT OF ALL TYPES OF FORESTS

- 139.65 hectares planted in four (4) National Parks (OLPP, Lake Lanoto'o. Mauga o Salafai and Masamasa-Falelima), Vaipouli State Forest land and community lands under the community and agroforestry programs.
- 827.25 hectares maintained in four National Parks and State Forests Land.
- 248 new farmers registered and participated in Community and Agroforestry programs.
- 16 Pre-Harvest Inventories conducted
- Awareness program conducted on community forestry, agroforestry, forest conservation, forests and water, forests and climate change, etc.

STRENGTHENED RESEARCH AND DEVELOPMENT FOR SUSTAINABLE FORESTS MANAGEMENT

- 8 trees assessed with biomass and carbon content - work conducted including tree censuses, harvested, sampled / specimen for drying, regular weighed after dried, data recorded, calculated and entered into databases. Trees including malili, tava, toi, lusina, tuna, laupapata, atone, mahoki.
- Periodic monitoring conducted for 7 PSP to assess growth and survival rate - 5 monitoring conducted for PIRFI plots at OLPP, 1 monitoring activity was conducted for Masamasa Falelima NP & OLPP, 1 monitoring conducted for Malololelei Recreational Park.
- Monthly monitoring conducted for phenology studies - 11 monitoring for Ao-ole-Malō and Malaevaalele Reserves. Additional phenology sites established and monitoring started in January 2022 - 5 monitoring activities conducted for Masamasa Falelima NP, 2 monitoring activities were conducted for East Savaii - Salelologa, Salelavalu, Iva, Fusi, Sapapalii, and Maota.
- Periodic monitoring conducted for forest health surveillance - 2 health surveillance for Vailima and Togitogina FD nursery and 4 for PIRFI PSP at OLPP.
- Annual monitoring conducted for Fugalei market, roadside farm stalls Faatoia, Leusoalii, Vaitetele market for market analysis and development impact assessment.
- Forest Science Fair conducted with 10 schools invited with only 9 participated and competed - concept note and marking criteria developed, circulated, and approved.
- Biomass & carbon stock presentation presented during commemoration of National Environment Week Forum 2021 and mangrove conservation presentation presented at Moataa consultation as part of PIFRI project.
- Biomass database completed and ongoing maintenance and update. Other data-

bases continue to maintain and update. 1 query received for NFI data and information was disseminated, 3 general queries received - Laulii vegetation type, the use of cinnamon verum species and sandalwood host, use and planting techniques.

- 9 press release posted on MNRE Facebook page as part of FD awareness.

PLANNING AND POLICY FRAMEWORK FOR SUSTAINABLE FORESTS MANAGEMENT

- 19 forest conservation and production layers updated through survey and data collection
- 10 Sawmills registered and operated.
- 19 Forestry Harvesting Licenses and Permits approved and issued.
- Revenue of \$8,589.00 has been collected from application and natural resources fees, registration of portable sawmills and registration of new farmers participated in the Community Forestry Program.
- 1 monitoring visit on forestry harvesting operations for both Upolu and Savaii as a follow up check on the compliance of the licences/permits issued during the financial year
- Awareness materials distributed and information shared on the Forestry Management Act 2011 enforcing compliance on forest harvesting and sawmills registrations.
- Other promotional materials developed and printed;
- 1 pull up banner for the International Day of Forests for displays on the Water, Forests, Wetlands and Meteorology Day in May 2022.
- Reprinting Brochures (Forestry Services & Community Forestry Program CFP) and Poster (Native Hardwoods of Samoa) for awareness program and in-house clients.
- 1 billboard installed for the Queens Commonwealth Canopy site at the O Le Pupu Pu'e National Park
- Official launching of the 3 Million National Tree Planting Campaign 2022 - 2028 supported by the \$1Million Tala - National Replanting Program by the government.
- Developed and printed awareness materials; 1 new brochure to promote the objectives and goal of the campaign; 2 information sheets detailing conditions of the Grants for Districts, Community Conservation Areas (CCAs) and Non-Government Organizations (NGOs)
- Conducted 2 workshops and 2 meetings with the Districts, CCAs and NGOs on the grant's disbursement and replanting terms and conditions.
- 6 Districts, 7 CCAs and 6 NGO have already received first payments of grants accounted for the sum of about \$185,000.00
- Samoa Forestry Outlook Report 2022 write up by consultant was assisted in sharing relevant forestry information.





OUTPUT 7:

METEOROLOGY DIVISION

The division has made considerable improvements in the service with the increase in the number of activities completed for Key Performance Indicators approved under the financial year 2021-2022. There is currently a growth of duties and responsibilities in the essential monitoring of seismic, weather, climatic and ozone events that can impact the country.

WEATHER SERVICES

- The Weather Services Section continues the implementation of its usual tasks as assigned to meet its goal and objectives to improve the quality and accuracy of weather forecast products for the safety and wellbeing of all Samoans. The Weather Services Section has two core departments, Weather Observation & Weather Forecasting that serve the three main sectors “Public, Marine, and Aviation”. Routine tasks for the Weather Services Section through the Observations and Forecasting were being conducted effectively and efficiently.
- The maintenance forecasters team carried out 3 maintenances works for Upolu and 2 for Savaii. Emergency maintenance trips were also carried out in Upolu for stations at Faleolo International Airport. The main purpose of maintenance and field work planned on a quarterly basis is to ensure the sustainability of communicating quality observation from Automated Weather Stations around Upolu and Savaii.
- Installation of Community Awareness boards at Afiamalu for Fog and Low Cloud and at Anoama’a for Landslide-prone areas. This was funded under the CREWS 1.0 project for Community-Based Early Warning Systems.
- Deployment of Ocean Monitoring Device at Faga Savai’i under the World Bank Pacific Resilience Program (PREP). This component is managed by the Pacific Community (SPC) and the observations from this wave buoy database will support the Impact Forecasting system. This system is operated in collaboration with Geo-Oceans (University of Cantabria – Spain) NIWA (New Zealand)

1. Awareness Program

The focus of outreach programs in the community is to ensure that communities are equipped and organized in all stages of a disaster, from preparedness, response, and recovery. The Weather Service Section plays a vital part in the community awareness programs. Our role is to discuss the various hazards that are common in Samoa. It is also an opportunity for Weather officers to clarify various alert levels through advisory and warning bulletins. There were in total 23 awareness campaigns that the Weather team was involved in, ranging from the usual CDCRM program to the CREWS 1.0 project and the Accident Compensation Corporation.

2. Pacific Climate Outlook Forum

This forum brings together all Pacific Island countries and experts to develop seasonal forecasts on rainfall, oceans, and tropical cyclones. Samoa is a core part of this forum and is represented by climate and weather officers in the expert discussions. One of the main objectives of this forum is to develop and finalize Samoa’s Tropical Cyclone Outlook for the 2021-2022 Season. Due to the challenges of COVID-19 members were not able

to meet in person for the workshop and discussions. A La Nina event continued for its double dip regime in the Pacific Oceans indicating below-average tropical cyclone activity for Samoa while rainfall extremes were expected to become more frequent from November 2021 to April 2022.

3. National Climate Outlook Forum (NCOF) 2021

The implementation of the first-ever NCOF was a success in many areas. It was an opportunity to strengthen our partnerships with our stakeholders and agencies in the early warning arena. The objectives of the NCOF were around the weather and climate services offered by the Meteorology Division. This platform allowed partners to share their experiences and knowledge on how best they are utilizing these services, and better inform the respective sectors in terms of response. Most of the participants were looking forward to the National Statement on the Tropical Cyclone Outlook, which was one of the key outputs of this forum.

4. World Meteorological Day 2022

Earlier in 2022 the Meteorology Division celebrated and commemorated the World Meteorological Day 2022. As initially planned for February, it was delayed due to the COVID-19 series of lockdowns in Samoa. This was a successful event that brought together mainly our partners in the community awareness programs and response agencies. The main focus was on the technical aspect of Standard Operating Procedures for our Early Warning Service. Many interactive activities during the presentations ensured the audience was well engaged. This was followed by a side event tour of the various sections display of equipment.

CLIMATE SERVICES

Upgrade Climate Database Management System, Data Rescue and Data Digitization

- Ongoing management of rainfall and climate stations observation network
- Ongoing maintenance of meteorological equipment to improve quality for both Upolu and Savaii.

Effective Seasonal Climate & Ocean Prediction Services

- Twelve (12) numbers of Early Action Rainfall (EAR) Watch Bulletins
- Twelve (12) number of Ocean Outlook Bulletins
- Twelve (12) number of Online Climate Outlook Forums (OCOOF)

Effective Monitoring of Climate Variability and Long-Term Change

- Twelve (12) number of Climate Summary Reports issued
- Ongoing contribution to CDC Report Cards
- Contribution to the first regional State of Climate Report 2021

- The capacity building trainings were conducted to improve skills on seasonal climate forecasting and the importance of the inclusion of traditional knowledge into modern/contemporary forecast.
- Community awareness programs in partnership with Red Cross which was conducted at six (6) villages: Matautu Lefaga, Salamumu, Saanapu, Siumu Sisifo, Samatau and Sataoa, which took four (4) weeks to complete the program. The success of this program has drawn attention from other donors to continue the momentum with the initiative, attracting fundings from different projects.
- Community awareness program in partnership with Samoa Fire and Emergency Services Authority (SFESA) conducted at nine (9) villages: Lalomanu, Faleasi'u, Nofaalii, Safotu, Samauga, Salailua, Taga, Aopo and Asau. The program took ten (10) weeks to complete, including villages for both islands (Upolu and Savaii). The success of this program has drawn attention from other donors to continue the momentum with the initiative, attracting funding from different projects.
- CliKp and PICASO training from June 23rd to June 24th.



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SERVICES FOR MULTI-SECTORAL DECISION MAKING AND PLANNING

- AGOR-MET Project engages collaboration between the Meteorology Divisions and the Food and Agriculture Organisation (FAO), The University of the South Pacific (USP) and the Ministry of Agriculture and Fisheries (MAF) with the main focus to produce a simple, understandable and user-friendly meteorological bulletin for farmers.
- Revamped of the Climate Early Warning System with the Health Sector (H-CLEWS) to flag future climate-related diseases.
- Revamped of the Water Model Balance with the Electric Power Corporation (EPC) to assist the Afulilo Water Storage Outlook Model in collaboration with the National Institute for Water and Atmospheric research (NIWA).
- The first ever National Climate Outlook Forum (NCOF) for Samoa was conducted from the 27th of October to the 29th of October 2021. Most of the stakeholders were gathered to discuss ways that the Met office can improve on, in terms of tailoring of climate/weather products to suit their needs. Existing collaborations between met and other sectors such as Health, Agriculture (Crops), EPC, Samoa Red Cross and Samoa Fire and Emergency Authority (SFESA) to name a few were able to present during this workshop as well.
- Attended two (2) Pacific Island Climate Outlook Forums (PICOF), one in October 2021 to prepare regional Meteorology Services for the wet season, and another in April 2022, to prepare regional Meteorology Services for the dry season.

OZONE SERVICES

IMPLEMENTATION OF THE INSTITUTIONAL STRENGTHENING PROJECTS (ISP) PHASE XI

- Samoa continues to comply with her obligations under the Montreal Protocol by meeting the phase out targets for controlled substances.
- Continued enforcement of the Ozone Layer Protection Regulations 2006 and the Meteorology, Geoscience and Ozone Act 2021.
- The Country Programme Report and Article 7 data for 2021 were submitted in a timely manner. Samoa's consumption of HCFCs for 2021 was verified to be 0.1224 Metric Tonnes, this reflects a decrease in consumption compared to the 0.7752MT consumption in 2020. A similar negative trend was also noted with HFC consumption.
- Exemption for use of Methyl bromide is still valid for quarantine pre-shipment fumigation only.
- The National Ozone Steering Committee comprised of Government Ministries, Technical Training Institutions and the Private Sector has met four times during the reporting period.
- In operationalizing the Controlled substances Licensing System, the Licenses Assessment Panel has met three times to assess applications received from

importers and handlers of controlled substances. There were six (6) import licenses and 57 handling licenses issued during the reporting period.

- Participated in virtual international and regional meetings during COVID-19 restrictions.

HYDROCHLOROFLUOROCARBON (HCFC) PHASE-OUT MANAGEMENT PLAN STAGE 2

- Programs towards the phase out of HCFCs are well underway despite the delayed schedule due to COVID-19 restriction
- The Ozone Services Section continues to engage with all stakeholders to ensure that Samoa meets the phase-out schedule for HCFCs

1. Refrigeration and Air Conditioning (RAC) Training for Technicians in Savaii, October 2021

The RAC training conducted in Savaii provided the opportunity for RAC technicians residing in Savaii to be trained and build their capacity on the basics of RAC.

It was identified that 60% of the attendees did not attain a certificate from an accredited Institution therefore the training was most useful to the informal RAC Sector.

2. Two National-wide Inspection completed for Companies handling controlled substances in the RAC Sector, 15 November-11 December 2021 & 23 February-12 March, 2022

- Inspections conducted by the Ozone Services team and National Ozone Committee members aimed to ensure all companies and technicians handling refrigerants are compliant with the Licensing System conditions.
- Considering the critical use of good refrigeration and air conditioning practices, companies and individuals performing RAC servicing are required to have the appropriate equipment and tools, secured storage and handling facilities and be licensed under the Ozone Layer Protection Regulations 2006.
- The inspections identified a high level of compliance amongst the refrigerants and equipment importing companies. It was also noted that there is a significant number of Hydrocarbon based technologies used in the country thus requiring more training to be conducted for RAC technicians on flammable refrigerants.

3. Refrigeration and Air Conditioning Association of Samoa (RACAS) Meetings

The collaboration between the Ministry and the RACAS continues to be strengthened through the reciprocity assistance. While the Ministry provides assistance to the RACAS through hosting meetings and provided administrative assistance for the operation of the Association, the RACAS provide technical assistance when required by the Ozone Services Section. In view of the changing RAC technologies, there is general interest from members to learn more on ozone issues and how the Multilateral Environmental Agreements impacts the market's decisions hence the membership for the RACAS has increased considerably. There were four RACAS meetings held during the Financial Year 2021/2022.

4. Coordination with Energy Division-MOF

In promoting the use of energy-efficient technologies, the Ozone Services Section worked in close collaboration with the Energy Division of the Ministry of Finance in monitoring appliances under the Energy Management Act 2020. Joint inspections were conducted where the Energy Division, Customs Department and the Ministry of Police, Prisons and Corrections, who are members of the Energy Efficiency Monitoring Team visited importing companies to identify energy efficient technologies and install labeling.

Furthermore, appliances that failed to meet the minimum energy efficiency standard or operated on banned ozone depleting substances were confiscated and placed at the Meteorology Division's storage to await a decision on whether to re-export or have them disposed. During the reporting period, none of the confiscated appliances were re-exported therefore the refrigerants were removed using a recovery machine operated by a certified technician before the appliances were disposed.

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5. Commemorations of the World Ozone Day- September 16, 2021

In celebrating the World Ozone Day in September 2021 all stakeholders including the Ministry of Health, Energy Division-Ministry of Finance, Quarantine Division and the Fisheries Division of the Ministry of Agriculture and Fisheries, Samoa Qualifications Authority, Customs Department and the National University of Samoa delivered presentations on the importance of cooling and relevant linkages of their work to the Montreal Protocol objectives.



6. HPMP Stage 1 Tranche 3 Final Stakeholders Workshop- November 25, 2021

The HPMP Stage I concluded its activities with the Final Stakeholders' Workshop in November 2021. In preparation for the Stage II of the HPMP stakeholders gathered to review and evaluate the implementation of the project in aspiration to identify challenges and lessons learnt from the first Stage to formulate strategies to execute the second Stage.

National Ozone Steering Committee Meetings

In accordance with the Ozone Services Sections work plan, the NOSC met on a quarterly basis during the reporting period. The steering committee members provided technical and policy advice to the Section in guidance of activities implementation.

GEO SCIENCE SERVICES

Enhancing of the mechanical services to the Ministry;

There were 29 servicing jobs conducted for Met. Office vehicles and the drilling rig,

One overhaul maintenance of drilling rig.

Ocean services mandated to carry out the Ocean Acidification (OA) Project;

Shipment of buoy system and equipment received including alia boat for ocean buoy maintenance work and data collection and project equipment for ocean data collection.

The OA Project aims to undertake urgent actions to protect coral reefs and other vulnerable marine ecosystems through the development and implementation of comprehensive and integrated approaches for the management and the enhancement of their resilience to withstand pressures, including from ocean acidification and invasive species, and by drawing on measures such as those identified in the Framework for Action 2013 of the International Coral Reef Initiative.

As of current, most of the monitoring equipment have been procured and have arrived in Samoa. The old storage building at the Meteorology Division at Mulinnu has been repaired to be used as the OA laboratory. Due to COVID 19 travel restrictions the OA buoy system installation has been on hold pending arrival of the expert teams from Korea in 2021 to carry out ocean buoy launching and conduct staff training on OA monitoring.

Geological and Geotechnical Drilling investigations

The drilling investigations are the main source of revenue earning for the Met Division. There were four Geotechnical Drilling Investigations conducted and 42 Standard Penetration Tests (SPTs) reported as follows:

- Poutasi EFKS Church in September 2021 with a total of 20 meters drilled.
- OSM -SIFA building, Apia in September 2021with a total of 60.5 meters drilled and 32 SPTs.

- NUS and Motootua for Tinai Gordon & Associates Ltd in November 2021 with a total of 17 meters and 15 SPTs,
- Mt Vaea Study in March 2022 with a total depth of 30 meters.

Earthquakes and Tsunami

- There were 42 felt Earthquakes from July 2020 to June 2021.
- There were 1738 earthquakes reports analyzed.
- There were 12 summaries of Earthquakes recorded and are ongoing.
- There were 99 SMS messages and information bulletins reported.

Geomagnetic Reports

There were 50 Geo-magnetic Reports done from July 2021 until June 2022 a decrease from 76 in the previous financial year due to COVID 19 lock down.







**PROTECT AND CONSERVE OUR
UPLAND WATERSHED AREAS**

Ministry of Natural Resources and Environment
WATER RESOURCES DIVISION
Contact us:
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TATTE Building Sogi



**METHODIST
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OUTPUT 8:

WATER RESOURCES MANAGEMENT DIVISION

Despite the many challenges and issues faced within the Financial Year 2021/2022, there were many achievements and milestones reached in the government’s efforts to protect and promote the sustainability of our freshwater resources. Most of the Key Performance Indicators on water resources management were achieved within the planned time-frame, in accordance with the Water Resources Division’s (WRD) mandate and Annual Workplan. Activities which encountered implementation delays were mainly the ones requiring major consultation processes and engagement with the communities and stakeholders, as the country implemented strict restrictions associated with the COVID 19 State of Emergency Orders.

Virtual communication was established and enabled remote continuation of work, and networks with partners and consultants. Essential staff were employed during the lockdowns and isolated at the Vailima Office, ensuring that the hydrometric network was operational and the nurseries and seedlings were cared for. The WRD continues to implement support project activities, especially their water resources management components. These projects include the Green Climate Fund - Vaisigano Catchment Project (GCF-VCP), Pacific Resilience Program (PREP), as well as the now completed Economy Wide Adaptation to Climate Change (EWACC) Project.

Key achievements within the Water Resources Management component are highlighted within this report, and tracked against the planned programs of the “Budget Targets 2021-22”, “National Environment Sector Plan 2017-21” and the “Water for Life: Water, Sanitation & Hygiene Sector Plan 2020-2025”.

STRENGTHENING WATERSHED CONSERVATION AND MANAGEMENT

The watershed management programme progressed with characterisation works and initial consultations with Sataoa and Luatuanuu in the development of their watershed management plans. Key achievements included the:

- Implementation of Watershed Management Plans,
- Demarcation and rehabilitation of degraded areas within watershed catchment areas; and,
- Establish water reserves for rehabilitation and protection.

Table 1: FY21-22 Hectares Breakdown & Analysis

Watershed/sites	Hectares (Ha)	Analysis
Seventh Day Adventist Church (Saoluaifata)	4ha	2500 seedlings dispatched and planted within the Saoluaifata SDA lands as part of Phase 1 of the 3 Million National Tree Planting Campaign.
Faleaseela water reserve (FEPS)	3.53ha	2500 seedlings dispatched and planted along the Liua le Vaio-sina riverbanks and catchment area in Faleaseela in partnership with the Faleaseela Environment Protection Society.
Vaitoomuli catchment area	4.01ha	2000 seedlings of native trees dispatched and planted by the Vaitoomuli community together with representatives from the Ministry, within the designated community conservation area.

Matafaa catchment area	1.4ha	A total of 1500 tree seedlings were distributed to the Matafaa community and planted together with Ministry representatives in efforts to rehabilitate degraded areas within the Matafaa catchment.
Nuusuatia catchment area	4ha	2500 seedlings were dispatched and planted by the Nuusuatia community within their catchment area as part of Phase 1 of the 3 Million National Tree Planting Campaign.
Lotofaga Safata water reserve	2.44ha	2500 native tree seedlings were distributed to the Lotofaga community for replanting of their catchment area in identified degraded lands. This covered an area of approximately four (4) hectares.
Methodist Agroforestry reserve – Afiamalu	0.88ha	In support of a request from the Methodist Church in rehabilitating their Afiamalu Methodist Retreat Center, a mixture of native tree seedlings and fruit trees were planted by representatives from the Ministry as well as the congregation within this area.
TOTAL	20.26ha	

IMPROVE KNOWLEDGE AND UNDERSTANDING OF WATER RESOURCES

As part of improving the knowledge and understanding of water resources, the main focus included the:

- Establishment and expansion of the hydrometric network to collect information and data on water resources;
- Data management and analysis to inform policy formulation and decision making for WRM,
- Develop an early warning system for flood forecasting and management.

IMPROVE THE ENABLING ENVIRONMENT FOR WATER RESOURCES MANAGEMENT

The policy and legal framework for water resources management focuses its activities around;

- Policy formulation and review;
- Administering of the Water Abstraction Licensing Scheme;
- Formulation and implementation of Water Resources Management Bylaws for villages and communities; and
- The compliance monitoring and enforcement of the principal Act and regulatory tools in place.



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OUTPUT 9:

DISASTER MANAGEMENT OFFICE DIVISION

The FY 2021 – 2022 was a challenging year for the Disaster Management Office as it coordinated multi-hazard responses across different periods of the year. During this financial year, the DMO was able to successfully achieve the below targets and activities despite the prolonged COVID-19 State of Emergency and multiple occurrences of different disaster events.

Disaster Preparedness/ Prevention Activities (Disaster Management/Risk Reduction) DRM Awareness Raising and Training

- Awareness raising around DRM was one of the most crucial activities implemented during the financial year to build resilience and capacity at all levels.
- During the financial year DMO delivered awareness-raising sessions to communities, businesses, NGOs, Response agencies and schools, increasing their awareness and knowledge of Disaster Risk Management.
- Furthermore, utilizing the school’s DRM toolkit, 25 ECE Savaii schools and teachers were trained and informed on DRM.

Mainstreaming of Disaster Management

- The Disaster Management Office supported the drafting of three Sector Response Plans which included the Community Sector, Water and Sanitation, and Education Sectors.
- The Education Sector launched its Climate Change and Disaster Resilience Strategy during this period. DMO is a key stakeholder in the Working Committee that conducted the consultations and validation of information.
- Under the Environment Sector, the MNRE Response Plan and Disaster Waste Plans were also drafted.
- Faith-based community - 1 draft response plan was developed for the St Anglican Church.
- Business community - Sheraton Resort draft response plan was developed.

ERN/ESN

- The Multi-Hazard Emergency Radio and Siren Networks are fully functional and were utilized by the DAC COVID19 Sub-committee for communication.
- This FY the ERN was expanded through the supply of 50 new handheld devices programmed and utilized as an extension of the ERN communications between DAC member agencies.
- The ESN is currently active with 20 sites that are operational and functional.

Hazard Risk & Vulnerability Assessments

- A total of 12 Hazard Risk & Vulnerability Assessments were conducted with 12 reports which included:
 - » 2 risk assessments for the development of Disaster Management Plans for Sheraton Resort & All Saints Anglican Church.

- » 3 risk assessments under the Tree Management Policy with resolved issues.
- » 7 hospital risk assessments conducted with MOH on all National Health Facilities in Upolu.

NEOC Building Multi-Hazard Audio-Visual Monitoring Screens Installation

- The NEOC/DMO Office Building this FY was equipped with Audio-Visual screens for monitoring and accessing information for multi-hazards operations. A total of 12 screens had been installed which immensely supported the multi-hazard operations including COVID19 response.

Community Disaster & Climate Risk Management Programme Rollout of CDCRM Toolkit

- The CDCRM programme was successfully implemented in 12 communities, within this financial year.
- These communities include 6 from Upolu; Salesatele, Matautu Falealili, Faleula, Utualii, Falefa, Faleapuna, and 6 from Savaii; Fagamalo, Satoalepai, Vaitoomuli & Fa'ala Palauli; Vaegā & Pitonu'ū Satupaitea.
- The 12 villages were all trained on Disaster & Climate Risk Management enhancing their capacity and resilience to prepare and respond to future disasters.
- All the 12 villages have produced their Village Disaster and Climate Risk Management Plans.
- Simulation exercises were conducted to simulate these village plans, testing the skills learned from village response training and necessarily amended parts of the plan to strengthen it.
- Furthermore, the CDCRM programme successfully designated 12 community halls for the 12 villages to be utilized as evacuation centres in the event of disasters.
- In addition, through the GCF Vaisigano Catchment project, led and coordinated by the MOH, the CDCRM toolkit was utilized to build resilience and preparations of 14 communities of the Vaisigano Catchment area prone to floods and inundation during rainy seasons.
- The 14 communities included Apia, Leone, Maluafou, Aai o Niue, Vini, Vaiala, Vaipuna, Faatoia, Maagao, Magiagi, Lelata, Matautu Uta, Matautu Tai, Moataa.

Disaster Response/Recovery

- The activation of the National Emergency Operations Centre (NEOC) continues as Samoa remains under a State of Emergency Period pursuant to Section 106 of the Constitution of Samoa and the Disaster and Emergency Management Act 2007.
- The NEOC, managed by the Disaster Management Office, is the approved facility that coordinated whole Government and multi-sectoral COVID-19 response as mandated under section 8(1) of the Disaster and Emergency Management Act 2007.
- During the financial year NEOC coordinated national response comprising of

resource mobilisation, strategic planning, facilitation of public information, logistics warehousing and supply chain management, monitoring and evaluation, support and implement NDC and DAC's decisions and directives.

- Below are the Operations implemented during the financial year under the various State of Emergency Orders.



Secretariat to the National Disaster Council and Disaster Advisory Committee

As the secretariat to the National Disaster Council and the Disaster Advisory Committee the Disaster Management Office provided the following support:

13. Submitted the following Operation Reports:
 - Nafanua II Operation Completion Report.
 - September Mass Vaccination Report.
 - November Mass Vaccination Report.
 - Re-assessment of Quarantine Facilities Report.

14. DAC and NEOC Meetings- During the year, NEOC organised multiple Disaster Advisory Committee meetings providing secretariat support.
15. Preparations of PM Briefings – During the financial year a total of 12 PM Briefings was submitted by DMO on COVID-19, Tonga Volcanic Eruption and the Severe Weather Situations
16. Compilation of External Situation Reports to update the DAC on all developments across all operations and response.

Development of Protocols and SOPs

- During the financial year the NEOC developed the following Operational protocols and SOPs
- SOPs
 - » SOPs for response operations
 - » Hotels & Apartments selection SOP,
 - » SOP for Security Companies & Hired Vehicles
- Guideline for NEOC Quarantine vehicle refuelling.
- Guidelines for Drivers in Quarantine.
- NEOC Information Sharing Protocol.
- Requirements for issue of ID cards and vehicle Pass for essential businesses.
- SOP for shops operating at the Faleolo Airport
- Safety Protocol for NEOC Base
- Testing process at NEOC
- Distribution of RAT Kits to Response Agencies, Government Ministries and State Owned Enterprises
- Office of the Prime Minister COVID-19 SAFETY PROTOCOL
- NEOC Airport Operation Protocol
- Nafanua II COVID-19 operation guideline
- Protocol on the handling of the Nafanua Black Box.

COVID 19 Operations

- Samoa has been under State of Emergency since March 20, 2020 with 81 state of Emergency Orders implemented across 832 days as at 30 June 2022.
- During this financial year a total of 29 SOE Orders were issued to enforce and support Samoa's response to alleviate and control the spread and transmission of COVID19 nationwide.
- NEOC with technical support and advice from MOH has been coordinating Samoa's efforts and operations.
- The role of the NEOC remains paramount as it is government arm and the centralized facility manned and utilized by the Disaster Advisory Committee to coordinate Samoa's Covid19 National Response and Recovery to ensure that we save lives, alleviate suffering and build resilience of people, systems and infrastructure including minimising the socio-economic impacts of the pandemic on Samoan families.
- Samoa's full vaccination rates to date have reached 93% of the eligible population.
- Sadly, 29 people died from the COVID-19 virus.

Below is a summary of the NEOC response and coordination:

17. Enforcement of State of Emergency Orders

- Since July 2021, a total of 29 SOE Orders had been issued to enforce Samoa's response to alleviate and control the spread of Covid19 nationwide.

18. Review and finalisation of the National COVID-19 Alert Level Matrix and Zoning Maps

- Approved by Cabinet to guide non-pharmaceutical interventions (NPI) and measures deployed by the government.

19. Flight Operations

- A total of 47 Repatriation flights were coordinated by NEOC in this financial year from July 2021-June 2022.

20. **Mass Vaccination roll-out**

- During this period the NEOC coordinated the mobilisation of response agencies, government Ministries and State Owned Enterprises to support the Ministry of Health in rolling out the Astra Zeneca vaccine in the September and November Mass Vaccination Campaign Roll Out, Pfizer vaccination roll-out for children age 12 - 17 and the roll-out of the Paediatric Pfizer vaccine to children between the age of 5 to 11-year-olds in schools and communities across Upolu and Savaii.

Further to these mass-vaccination roll-outs, NEOC coordinated the provision of vehicles, resources and necessary tools to support community fixed sites across district hospitals and Apia Urban fixed sites.



21. Quarantine sites management:

- A total of 53 identified quarantine sites were assessed by the NEOC in collaboration with Ministry of Health, Samoa Police Force, Samoa Fire and Emergency Services Authority, and the Samoa Tourism Authority. A report on this assessment was developed and submitted to the Disaster Advisory Committee to strengthen the allocation of quarantine sites per flight.

The assessment was conducted using five components to ascertain the level of compliance for each identified site. The assessment integrated the principle of inclusivity, equity, and safety across all components. Summarised below are the areas covered by all five components.

- Health - This includes criteria that promote good hand washing hygiene, decent ventilation, proper sanitation practices, maintaining physical distancing, good mental health, and avoiding contacts between quarantine persons and hotel and security personnel.
- Security - This includes criteria that ensure the safety of quarantine persons and workers, and ensure no quarantine persons would leave the premises during the quarantine duration, and promotes the welfare of security guards on site.
- Disaster Management - This includes criteria on a multi-hazard response plan, evacuation plans, access to these evacuation plans for quarantine persons, disability access and ensuring necessary measures are in place to ensure protection issues

such as gender-based violence, child protection and domestic disputes are eliminated

- Fire Protection – This includes criteria on the availability, accessibility, and quality of fire safety equipment.
- Samoa Tourism Authority – This includes criteria on sites compliance to the Samoa Tourism Accommodation standards which sets the baseline for all quarantine sites providing accommodation.

In terms of monitoring people in quarantine sites the NEOC coordinated the mobilisation of vehicles and personnel to support the Ministry of Health in conducting its routine health checks, testing and surveillance for people in mandatory isolation and quarantine.



22. Distribution of PPE's and other humanitarian support

In the first 35 days of the community transmission response the NEOC distributed 213,483 pieces of personal protective equipment including disposable gloves, disposable face masks, sterile medical gowns, KN95 face masks, disposable hairnet, disposable shoe covers, disposable bodysuit, hand sanitiser, face shield, safety goggles, and reusable face masks.

Table 15: Summary of Agencies Supplied with PPE's from NEOC

Agency Type	Count
Response agencies	23
General Practitioners Clinic	19
Schools	14
NGOs	5
Hotels/Quarantine Sites	26
District Communities	2

During the financial year the NEOC distributed Personal Protective Equipment to Response agencies, General Practitioners Clinic, Schools, NGOs, Hotels, quarantine sites and communities in 2 districts as per table 1.

- During the financial year the NEOC procured and distributed 30,6912 cartons of drinking water and 60,4042 meals to support the COVID 19 quarantine and vaccination operations.

23. Conduct trainings & briefings for repatriation flights & quarantine border agencies

- 16 security providers to NEOC
- 42 hoteliers & Apartments to NEOC
- 25 Vehicle providers

24. TC Season 2021 – 2022 Operations

While Samoa was spared by cyclones during the financial year, the NEOC responded and coordinated response to multiple severe weather events including multiple severe weather advisories issued by the Samoa Meteorology Office which included multiple heavy rain advisories, flood advisory and a couple of heavy rain warnings. The flood warning issued in February 2022 activated the NEOC to be on stand-by for multi-hazard response including the COVID-19 emergency and severe weather response. During this financial year the Disaster Management Office coordinated the following to promote readiness and support response:

- 3 Urban Area Evacuation Centres were activated for preparations and should the need arise by communities (NUS Gym, Faleata Multipurpose Gym & ADRA Hall, Lalovaea)
- Coordinated a National Stock take to promote disaster readiness targeting the following areas:
- Fleet Capabilities – Taking stock of transportation capacities to establish the fleet availability to support continuity of services for each agency and support Samoa’s National Response in this cyclone season on top of the current COVID-19 response undertaken through the NEOC.
- Maritime Capabilities – Taking stock of all equipment, sea boats and necessary capabilities that will support sea search and rescue and other necessary maritime-specific responses and ascertain the seaworthiness of these maritime assets.

- Communication Capabilities – Taking stock of necessary communication equipment available including VHF/ HF radios, satellite phones and necessary emergency and standby communication items.
- Human Resources – Mapping out skills and human resources available for NEOC secondment and to provide manpower support for our national responses.
- Institutional Capacity – Mapping all disaster response plans for each agency and harmonising response agencies’ response actions and effectively coordinating a whole of government response in Samoa to avoid duplication.

25.Nafanua II Police Patrol Boat Operations

- On Thursday 5th August 2021, the Police Patrol Boat Nafanua II ran aground the reef of the Salelologa Channel, with initial response coordinated through Samoa’s Marine Pollution Advisory Committee (MPAC).
- On 9 August 2021 MPAC was deactivated and the Nafanua II operation was elevated as an emergency of national concern.
- The Completion Report was developed for Nafanua II salvage operations as well as the Phase 2 & Phase 3 SOP for the Nafanua Operations.
- Onsite the Nafanua II Operation, 60 personnel from 13 agencies including 9 Government response agencies were engaged across the operation including personnel Royal Australian Navy, the South Pacific Regional Environment Program (SPREP), and the Pacific Tug Stabilisation and Salvage team from Australia.
- The Nafanua II departed Samoa from the Salelologa wharf on 20 September 2021 for its voyage to Cairns, Australia with no injuries, loss of life or any major incident that warrants a major emergency medical evacuation.

Monitoring of Hunga Tonga Hunga Haapai Volcano Operations

- On 15 January 2022, the Hunga Tonga Hunga Haapai Volcano erupted, which sent waves across the region and also impacted the southern parts.
- These waves caused coastal flooding inundating the coastal villages along the southern parts of Upolu and Savaii.
- There were no casualties, however, there was an inundation of seawater along the coastal villages.
- An Initial Damages Report was also developed for the Tongan Volcanic Eruption response operations. Operations began at 7.00 pm Saturday 15 January, upon receipt of news on the Tongan tectonic activities.
- NEOC coordinated a press conference conducted at 10.30 pm to inform the country of the tsunami alert, and conducted a reconnaissance trip around Upolu on 16 January 2022 responding to calls received on the night of 15 January 2022 that villages along the southern coastline were experiencing bigger waves than usual.
- The recon visit was conducted in the Upolu coastlines along Mulifanua, Manono Uta,

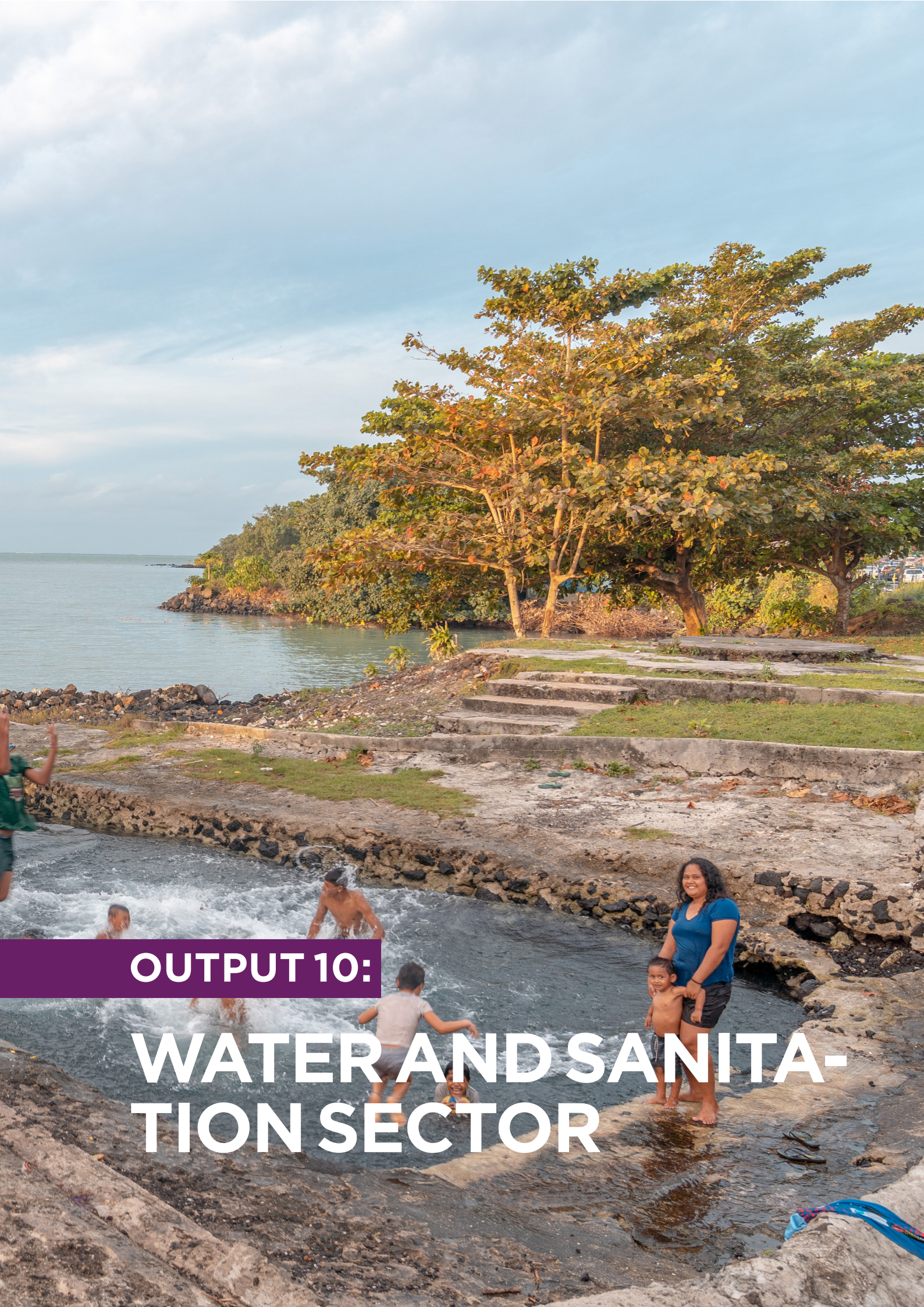
Apolima Uta, Lefaga, Faleseela, Salamumu, Return to Paradise, Siumu, Poutasi, Lepa, Saleapaga, Lalomanu, Taufua, Anoamaa and Aleipata.

Achievements

- Covid19 Alert Level Matrix approved by Cabinet for Implementation.
- 15 Standard Operating Procedures and Operational Protocols were developed.
- Nafanua II Completion Report was submitted and approved by Cabinet without any issues.
- 12 CDCRM Communities trained and funded by EWACC Project with 12 CDCRM Village response plans developed.
- 14 CDCRM Communities funded by GCF Vaisigano Catchment Project.
- DRM Awareness rolled out to 25 ECE Schools in Savaii
- DRM Mainstreamed into 4 Sectors through the development of Disaster Response plans
- NEOC equipped with monitoring audio-visual screens for monitoring multi-hazards operations
- ERN expanded with supply of 50 handheld radios







OUTPUT 10:

WATER AND SANITATION SECTOR

- The Water and Sanitation (WSS) Sector is a priority sector under the national development planning framework. At the helm of the coordination role of the sector, the Water and Sanitation Sector Coordination Division (WSSCD) under the Ministry provides the coordination, governance, communications and capacity development for the Water and Sanitation Sector. It serves as the technical secretariat for the Joint Water and Sanitation Sector Steering Committee (the national apex body for the Water Sector) and the Chair to the Sector’s Technical Steering Committee meeting.
- The WSSCD is responsible for Outcome 11 of the Ministry and End-of-Sector-Plan-Outcome (ESPO) 6 of the Water and Sanitation “Water, Sanitation and Hygiene” (WASH) Sector Plan 2020-2025 which is to ensure that “Sector Governance, Communication and Capacity Strengthened”. Such a role is key to providing the strategic direction and leadership for the sector.

WSSCD has been working collaboratively with its various stakeholders and partners over the years and has continued to strengthen its partnerships with the sector’s key sector Implementing Agencies including:

- Ministry of Natural Resources and Environment (Water Resources Division, Division of Environment and Conservation, Renewable Energy Division)
- Ministry of Women and Social Development
- Ministry of Works, Transport and Infrastructure (PUMA and Asset Management Division)
- Ministry of Health
- Samoa Water Authority
- Land Transport Authority
- Samoa Tourism Authority
- Independent Water Schemes Association
- Samoa Red Cross Society
- Plumbers Association of Samoa

STRENGTHENED SECTOR GOVERNANCE AND LEADERSHIP THROUGH ENHANCED SECTOR POLICY, STRATEGY AND PLANNING FRAMEWORKS;

- The year under review is the second year of implementation for the Water, Sanitation and Hygiene Sector Plan 2020-2025 and the implementation of activities to meet the key outcomes for the Sector has made good and steady progress throughout the year with over 80% of the targeted KPIs within the plan met within the year. The progress of activities by each of the subsectors / implementing agencies are reported consistently in the monthly/ bi-monthly/ quarterly in the TSC, subsector and JWSSC meetings.
- The tendering and technical evaluation processes for the recruitment of a TA to review and update the National Water Services Policy was undertaken within year. The finalization of the evaluation will be done early in the next financial year.

- The review and update of the National Sanitation Policy was completed within the financial year. The final policy will be provided for the endorsement of the JWSSSC for endorsement, the National Policy Coordination Committee and Cabinet in the new year.
- Within the period, research done by the SROS on creating a baseline data on the rainwater tanks water quality sampling was completed. Due to information gaps, the mapping of rainwater tanks was deferred to the next financial year until the census data on water tanks was finalized by SBS and fed into the mapping system.
- The review and update of the National Effluent Discharge Standards was a new activity conducted under the Research Initiative Program of the sector. About thirty percent of the work was done within the year with the remaining to completed within the next financial year.
- In continuous efforts to improve the information system for WASH for better decision making and policy development, the sanitation subsector conducted a water quality sampling survey funded under the sector around the Salelologa (Savaii) coastal area in collaboration with SROS.

STRENGTHENED SUSTAINABLE FINANCIAL CAPACITY AND MECHANISMS FOR SECTOR INVESTMENTS;

- The Sector Medium Term Expenditure Framework (MTEF) is updated and reviewed annually incorporating budget changes from MOF.
- The sector's Procurement Plan and Monitor is being updated annually to plan and monitor tenders and contract works as per the sector's priorities.



- The 3rd round of the annual sector’s Rainwater Harvesting Program for the supply of 60 rainwater tanks faced some major delays within the year due to the financial and logistical issues to the supplier as an impact of COVID19. This program is being prioritized to be completed in the new year. The 4th and 5th rounds for the rainwater harvesting program were also delayed due to the procurement process. Advertisements for tenders for supply of water tanks were put out three times but no bids were received.
- The procurement process for the supply of rainwater tanks for the PACRES project including legal reviews of tender documents commenced within the year with advertisements to go out early in the next financial year

EFFECTIVE AND ROBUST PERFORMANCE MONITORING SYSTEMS SUSTAINED AND REFINED;

- The Sector conducted its 14th Annual Review in October 2021. The joint WASH and Environment sector forum was conducted in November 2021 within the National Environment week.
- The World Water and Forests Day was celebrated in April 2022 whereby the 13th and 14th Annual Review reports were launched.
- The 7th National Sanitation (Toilets) Day took place on 19th November 2021 in Savaii with the theme: “Valuing our Toilets”. The program included the launching of the Neiafu Garden Toilet, action poem competitions by the selected women’s committee on the theme and presentation of awards in recognition of our contractors and organizations who have and continued to maintain the public lavatory facilities in Savaii.
- The Joint Water and Sanitation Sector Steering Committee conducts an annual site visit to sight some of the new and key developments of the sector across the country. Specifically, for financial year 2021-2022, the JWSSSC together with the Environment sector conducted a joint site visit in Savaii on 8-9 March 2022. The purpose was to visit, see and witness the outcomes of the hard work by the respective implementing agencies of the sectors, and also to draw their attention to some of the associated key issues thereon. The sites included the Gataivai upgrades (SWA), Salailua and Paia water kiosks (IWS), Fagafau and Neiafu garden toilets (STA), Vaisala Biogas system (RED), Logoipulotu reservoir and Satoalepai reticulation works (SWA) and the Vaipouli Reserve (Forestry MNRE). Technical presentations were also conducted by the WRD on their water licensing program, upper watershed regulation and hydrometric network. MoH also presented on the GLAAS survey.

EFFECTIVE AND EFFICIENT SECTOR COMMUNICATIONS STRENGTHENED;

- The review and update of the WASH National Communications Strategy was completed and endorsed by the JWSSSC within the year. This work was funded by the Asian Development Program as part of its TA program for Strengthening WASH Practices and Hygiene Behavioral Change in the Pacific. The new strategy is called the WASH Sector’s National Communications Strategy and Costed Implementation Plan 2022-2025. Additional awareness products created as part of this work

includes a WASH Heroes Comic Book, mascots, stickers, wall planners and banners. The launching of the strategy will take place early in the next financial year.

- The Sector's Communication Strategy was continuously implemented through the IAs of the sector ensuring the visibility of the works of the sector as well as issues. Promotional materials were disseminated during public consultation programs, school awareness and the commemoration of relevant national events of the sector (National Toilet Day, World Water and Forestry Day, Annual Sector Performance Review etc).
- The Ministry's website and facebook page have also been used by the sector to convey its advertisements and notices with timely updates on the sector activities and events held within the period.
- Timely preparations and release of sector newsletters quarterly throughout the year.

STRENGTHENED SECTOR HR CAPACITY;

- The Sector's Capacity Building Strategy and Action Plan 2018-2021 is being implemented through mutual collaborations between the sector and the Oloamanu Training Centre. The "sector wide approach" to capacity building has been encouraged with the aim of inviting all sector IAs and stakeholders to each of these trainings. A total number of two (2) trainings have been conducted by Oloamanu during the financial year for IAs within MNRE which makes up a total of ten (10) trainings altogether with the trainings conducted within the year including; Project Management and Report Writing. This concludes the sector's MoA with Oloamanu.
- In collaboration with the Plumbers Association of Samoa, the sector conducted a training from 16-19 May 2022 for all the plumbers of the association and outside who needed skills upgrade on key areas of plumbing.

IMPROVED SECTOR CC AND DISASTER RESILIENCE AND MANAGEMENT

- In collaboration with the Disaster Management Office, the sector was able to review and update its Disaster Management Plan 2014 with a draft now in place for the WASH sector's Disaster Risk Management Strategy 2022-2025. An inception workshop was conducted with all relevant IAs and stakeholders for the sector within the year with the finalization of the DRM to be done in the next financial year.

Sector IAs participated in some of the DRM trainings and reported back to the sector meetings, however, the need to conduct relevant DRM trainings is not compromised for the sector as a whole. Alternatively, the sector IAs have been participating in some of drills and simulation exercises conducted by DMO and FESA as well as the SRCS.

A person wearing a light blue long-sleeved shirt is shown from the side, typing on a laptop. The background is a server room with rows of server racks. The lighting is cool and blue. The text 'OUTPUT 11:' is overlaid on a dark blue rectangular background on the left side of the image.

OUTPUT 11:

INFORMATION TECHNOLOGY

IT HELPDESK AND NETWORK INFRASTRUCTURE:

- Email is the biggest issue; this is due to the staff members changing their passwords, not receiving Emails and phishing emails.
- Ongoing management and maintenance of (15) servers in the main office, twenty (20) system servers at Meteorology Office at Mulinuu, and a back-up server at the Forestry Office in Vailima.
- Provided maintenance and support for 12 MNRE sites using Vodafone fiber and Samoa National Broadband Highway (SNBH).
- Ongoing maintenance and operation of 290 computer peripherals in the ministry.
- Ongoing maintenance and operation of 38 printers in the ministry.
- Ongoing maintenance and support of Emergency Radio and Siren Network for Samoa.
- Ongoing maintenance and support of MET weather forecast and earthquake network.

SYSTEMS: INFORMATION

- Ongoing maintenance and support of all MNRE information systems conducted.
- Implementation and supporting interact systems from various stakeholders as well as consultancy and project personnel.
- Conduct information system trainings for staffs.
- Daily monitoring of all the systems backup.
- New VLAN Connection for Water Resource (Vailima)
- Installed Biometric Finger System (main Office)
- Internet & phone installed for CLAC at Post Office
- New printers and plotters
- Renew WatchGuard Firewall License
- IT Continuity Lockdown plan activated (routers and mifis were assigned to principals, seniors and management)
- New PC sets for staff and new printers for divisions installed Office offsite Backup at Vailima
- Conference System (Ricoh Whiteboard)

CSU 1-LEGAL SERVICES DIVISION

The Legal Division provides legal and policy advice to all 13 Divisions of the Ministry, the CEO and the Minister. The Division assists and provides legal advice, draft any type of Agreements such as contracts, contract extensions or variations, memorandum of agreements or memorandum of understandings, letters of agreements and others, assistance with Divisional procurements for contractors, consultancy services, maintenance works, services and any other legal work required under various projects implemented by the Ministry.

Another crucial role of the division is to engage with other government offices, government corporations, private sector and/or organisations in implementing the Ministry's statutory roles and functions, most especially the collaboration with the Office of the Attorney General rendering assistance with civil and criminal proceedings brought by or against the Ministry. The Division is also actively involved in the pursuit of environmental litigations that the community reports to the Ministry or when the Ministry discovers during its monitoring. The Legal Division also assists all Divisions of the Ministry in promoting their legal mandates through television or social media advertisements and community consultations, as well as assist in the review or preparation of, and facilitate the execution of legal documents such as the following:

- Leases of customary lands and government lands;
- Clearance of tender / procurement documents for the Ministry;
- Review and clearance of contracts for services, consultancies, design and construction works, design and supervision works, construction works, demolition works, direct purchase for goods and services, employment and extension of retirement contracts;
- Review and clear memorandums and letters of understanding / memorandums and letters of agreement / other types of agreements;
- Assessment of applications to alienate freehold lands;
- Civil enforcement / civil litigation;
- Prosecution of environmental offences;
- Any other documents required for the effective discharge of the statutory duties of the Ministry.

During 2020-2021 the Legal Division highlights the following services and achievements in support of the work of the Ministry:

1. Legislative Reforms/Amendment Regulations/Policy

- International Trade of Endangered Species Act 2022
- Soil Resources Management Bill 2021 and
- Climate Change (Management) and Resilience Bill 2021

Table1: Achievements for Legal Applications

Alienation of Freehold Land Applications	36 Applications
Tender Documents and all types of Contractual Agreements including MOU's/MOA's	156 documents received
Pending Cases submitted to AGO for prosecution	2
Civil Litigation matters pending hearing	3
Matters referred for review of AGO	3

- The Ministry has recently conducted community and stakeholder consultations on the recent amendments made to the Leasing and Licensing of Customary Lands Act 1965 to consult on the amendments, the rational for these amendments, any other leasing and licensing issues experienced by customary land owners, as well as expectations from customary land owners and lessees on application of these amendments. These consultations have been put on hold since 2019 due to measles and covid-19 SOE restrictions until now.
- The Ministry also recently consulted on 3 draft Bills: (1) International Trade on Endangered Species Act 2022, a Bill that aims to ensure that international trade in specimens of wild animals and plants do not threaten the survival of species, and regulate the trading of such species into Samoa; (2) the Soil Resources Management Bill 2022 that provides for the sustainable management of soil as a resource; and (3) the Climate Change (Management) and Resilience Bill 2021 that will provide for effective response to climate change adaptation and mitigation. Currently, these 3 Bills will be finalised soon and referred to the AGO for their review and endorsement.
- The Ministry currently has 2 pending prosecution matters, one on illegal logging and the other on discharge of pollutant at Fuluasou River at Tuanaimato. The Courts have recently commenced hearing on civil matters that were put on hold while it dealt with election related cases, however, for these 2 environmental prosecution matters, the Ministry will continue to await an update from the Office of the AG on an update from the Ministry of Justice and Courts administration when these matters will be put on the mentions list.
- The Ministry has over 20 pending civil litigations in Court at present, and a total of 3 civil cases confirmed for hearing that the Ministry and the Office of the AG are currently collaborating on

CSU 2 –CORPORATE SERVICES DIVISION

HUMAN RESOURCES & ADMINISTRATION SECTION

Table 1: Total Number of Staff as of 30th June 2022

Division	Active Positions	Projects	Part Timers	Total
CEO	1			1
MIN	4			4
RED	5	3		8
CC&GEF	1	3	3	7
ESCU	4	5		9
ICT	7			7
LMD	30	1		31
LTS	25			25
DEC	51	15	4	70
FOR	96	10	3	109
MET	48		2	50
WRD	33	10		43
WSCU	6			6
LSD	6			6
CSD	53			53
Total	370	47	12	429

Table2: Workforce by Gender

GENDER PROFILE FOR FY2020/2021		
Male	281	66%
Female	148	34%
TOTAL	429	100%

Table3: Total Number of Recruitment

Recruitment	Total Number
New Contracts for ACEO's	4
Renew Contract for ACEO's	3
Promotions	30
Project Appointments	44
New Recruits (Permanent)	35
Part Timers	8
Extension Retirees	19
Reclassification	5

Table 16: Irregularity Reports

Vehicles	4
Fixed Asset (Weedeater)	1

Table4: Total Number of Staff Turnover

Staff Turnover	Total Number
Resigned	33
Terminations for Disciplinary	1
Retirement	2
Deceased	1
End Of Contract (Project)	2

Table 5: Registered Assets

Registered Assets	Number of Assets	Total Amount
Total Asset as June 2022 (FY20/21)	213	\$1,052,040,.08
New Procurement (Local)	164	\$640,017.91
New Procurement (Project)	9	\$412,022.17
Vehicles FY20/21	1	\$120,000.00

FINANCE SECTION

Table 17: Summary of Budget for FY Ending, June 30, 2022

Summary of Budget for Financial Year Ending 30th June, 2022 Outputs	
Annual Approved Budget FY 2021-2022	13,483,159.00
Approved Personnel	10,580,406.00
Approved Operating	2,251,526.00
Approved Capital	651,227.00
Less Spending	13,008,997.00
	474,162.00
Transactions On Behalf Of The State	
Approved Budget for FY 2021-2022	12,806,444.00
Less Spending	10,539,967.00
	2,266,478.00
Remaining Balance	2,740,640.00

Expenditures

The overall utilization for the Ministry budget both personnel and operations is at 96%.

- Analysis on Output Expenditure (refer table 1)
- Total utilization at 88%
 - » Note that all Outputs show total utilization (Personnel and Operations) which ranges from 90%-100%.

1. Transactions on Behalf of State

- Membership fees and grants shows an overall utilization at 68% (refer table 2)

2. Counterpart Costs (*Refer table 3*)

- Rents & Lease – The variance of \$104,216 in Rent and Lease for the Tatte Building is the double tax of gst – overestimated budget.
- Customary Land for Observation Stations and Towers remaining funds are for AWS stations to be surveyed.
- Roads for Land Board Leased land, remaining funds were rolled over for the FY2022/2023.
- VAGST Output tax, remaining funds is for May-June 2022 tax, MOF to process.

3. Government Policies/Initiatives (*Refer Table 4 with comments*)

- Total utilization at 89%
- Remaining funds are from unpaid waste contractors for Jan 2022-June 2022 due to the delay of contract variations.
- All unused funds have been roll over to FY2022/2023

4. Revenues (*Refer table 5*)

The Ministry collected 77% overall collection of its annual budget recoveries for the financial year.

- Output 4- Land Technical - collection is 105%. from Digitizing and surveyor works.
- Output 5 – Environment Services collected 150% from waste fees and outstanding invoices paid.
- Output 6 – Forestry division collected 112% from permits.

Other Outputs Recorded Low Collection Such as;

- Output 3 – Land Management collections is 77% due to Covid-19 Lockdown restriction, it has a huge impact on the collection of outstanding debts and leases.
- Output 7 – Meteorological collected 21% of its revenue from the drilling rig due to its low demand from the public.

- Output 8 – Water Resources Division collections is 98%.

-

Annual Recoveries for FY 2021-2022	5,260,982.00
Actual Recoveries Collected	\$ 4,068,573.10
(Under Collection)/Over-collection	(\$1,192,408.90)

CAPACITY BUILDING SECTION

In-House Training

- 3 Induction Training conducted within this FY21/22
- 2 Refresher Training on Procurement Process, Code of Conduct, Values, Code of Ethics, Dress Code, Attendance, Flexible Hours Arrangements and special follow up session with Driver
- Assist and monitor staff with their virtual trainings

Environmental education & public awareness programs

- Collected promotional materials from internal divisions
- Assist walk-in students with their internal assignments
- Attended Open & Career Day (Samoa College, JICA & USP)
- Organized internship programs for part time students

ANNEX 1: APPROVED BUDGET FOR THE FINANCIAL YEAR 2021/2022

(Extracted from Finance One System)

Table 18: Output Expenditures

OUTPUTS PROVIDED BY MINISTRY	COST POOL	ACTUALS	UTILISATION %	FINAL BUDGET ESTIMATE	VARIANCE	ORIGINAL BUDGET
2810 - Policy Advice to the Minister of Environment	Personnel	755,476.00	99%	760,442.00	4966.00	768,716.00
	Operating	160,736.00	100%	161,490.00	755.00	156,490.00
	Capital	3,273.00	100%	3274.00	1.00	
	TOTAL	919,485.00	99%	925,206.00	5722.00	925,206.00
2820 - Ministerial Support	Personnel	98,503.00	92%	106,830.00	8,327.00	146,402.00
	Operating	160,720.00	105%	153,007.00	-7713.00	153,007.00
	Capital	144,512.00	94%	153,606.00	9094.00	86,956.00
	TOTAL	403,736.00	98%	413,443.00	9707.00	386,365.00
2830 - Land Management	Personnel	1,021,643.00	94%	1,083,697.00	62,054.00	1,159,806.00
	Operating	107,664.00	98%	109,480.00	1816.00	109,480.00
	Capital	75,693.00	99%	76,109.00	416.00	
	TOTAL	1,205,000.00	95%	1,269,286.00	64,287.00	1,269,286.00
2840 - Land Technical Services	Personnel	889,997.00	100%	893,609.00	3,612.00	900,631.00
	Operating	92,177.00	100%	92,183.00	6.00	96,760.00
	Capital	11,589.00	100%	11,599.00	10.00	
	TOTAL	993,763.00	100%	997,391.00	3628.00	997,391.00
2850 - Environment Services	Personnel	1,286,925.00	99%	1,301,927.00	15,002.00	1,300,265.00 1,300,265.00
	Operating	176,196.00	100%	176,380.00	183.00	176,380.00
	Capital	14,657.00	100%	14,660.00	3.00	
	TOTAL	1,477,778.00	99%	1,492,967.00	15,189.00	1,476,645.00
2860 - Forestry Mgmt., Planning, Research Service	Personnel	1,468,352.00	96%	1,530,212.00	61,860.00	1,595,625.00
	Operating	242,179.00	99%	244,687.00	2,508.00	222,530.00
	Capital	26,197.00	97%	26,934.00	737.00	
	TOTAL	1,736,727.00	96%	1,801,833.00	65,106.00	1,818,155.00
2870 - Meteorological, Hydrological, Geological	Personnel	1,450,042.00	99%	1,459,729.00	9,687.00	1,511,512.00
	Operating	461,616.00	99%	468,421.00	6804.00	452,420.00
	Capital	35,778.00	100%	35783.00	5.00	
	TOTAL	1,947,436.00	99%	1,963,933.00	16,496.00	1,963,933.00
2881 - Sustainable Water Resources Mgmt.	Personnel	895,506.00	100%	898,946.00	3,440.00	903,120.00
	Operating	120,272.00	99%	120,970.00	698.00	120,970.00
	Capital	4,173.00	98%	113,174.00	109,001.00	109,000.00
	TOTAL	1,019,951.00	90%	1,133,090.00	113,139.00	1,133,090.00
2882 - Disaster Management	Personnel	331,716.00	86%	386,035.00	54,319.00	567,942.00
	Operating	184,536.00	96%	192,278.00	7742.00	102,278.00
	Capital	64,828.00	100%	64,829.00	1.00	
	TOTAL	581,080.00	90%	643,142.00	62,062.00	670,220.00

2883 - Water Sector Co-ordination Unit	Personnel	313,582.00	97%	323,216.00	9,634.00	329,764.00
	Operating	244,935.00	101%	243,700.00	1235.00	243,700.00
	Capital	45,047.00	97%	46,548.00	806.00	40,000.00
	TOTAL	603,564.00	98%	613,464.00	9,900.00	613,464.00
2884 - Information and Communication Technology	Personnel	317,596.00	93%	342,196.00	24,600.00	403,785.00
	Operating	41,494.00	100%	41,640.00	147.00	41,640.00
	Capital	60,684.00	99%	61,589.00	905.00	
	TOTAL	419,773.00	94%	445,425.00	25,652.00	445,425.00
2891 - Central Services Unit 1	Personnel	261,321.00	93%	280,490.00	19,169.00	280,490.00
	Operating	17,487.00	100%	17,500.00	13.00	17,500.00
	TOTAL	278,809.00	94%	297,990.00	19,182.00	297,990.00
2892 - Central Services Unit 2	Personnel	1,149,068.00	95%	1,213,077.00	64,009.00	1,192,155.00
	Operating	229,742.00	100%	229,790.00	49.00	229,790.00
	Capital	43,087.00	100%	43,122.00	35.00	
	TOTAL	1,458,789.00	99%	1,485,989.00	64,093.00	1,485,989.00

Transactions on Behalf of the State: Annual Review FY21-22

Cost Breakdown extracted from Finance One System

Table 19: Membership Fees & Grants

(\$)	ACTUALS	ORIGINAL ESTIMATE	UTILISATION%	FINAL ESTIMATE	FUNDS REMAIN	Comments
D08 - World Meteorological Organization	40,152	50,000	80%	50,000	9848	Remaining balance from invoice received
D29 - Union Conservation of Nature, International	22,019	70,000	31%	70,000	47,981	Remaining balance from Invoice received
D30 - SPREP Work Programmed	117,564	122,000	96%	122,000	4436	Remaining balance from invoice received
D31 - UNFCC	0	1,500	0%	1,500	1500	No invoice submitted
D51 - Biological Diversity Convention	0	609	0%	609	609	The invoice is yet to receive from the secretariat of the Convention
D54 - Rotterdam Convention	859	4000	21%	4000	3141	Remaining balance from invoice received
D55 - Migratory Species Convention	385	500	77%	500	115	Remaining balance from invoice received
D57 - UN Convention to Combat Desertification	0	1000	0	1000	1000	The invoice is yet to receive
D58 - UN Environment Programme (UNEP)	375	2000	19%	2000	1625	The invoice is yet to receive
D59 - Stockholm Convention (US1500)	1300	1300	100%	1300	0	On Target
D60 - Basel Convention (US1000)	0	3500	0%	3500	3500	No invoice submitted
D76 - Commonwealth Forestry Association - London	0	998	0%	998	998	The invoice is yet to receive
D77 - Asian Pacific Association of Forestry Re	0	200	0%	200	200	No Invoice submitted

D92 - RAMSAR Convention	0	2900	0%	2900	2900	No Invoice submitted
D97 - Heritage (US33)	0	100	0%	100	100	No Invoice submitted
D98 - Waigani Convention (US1500)	34	3750	1%	3750	3716	Remaining balance from invoice received
E02 - CITES - Trust Fund	160	300	53%	300	140	Remaining balance from invoice received
E03 - IRENA - International Renewable Energy Agency	0	600	0%	600	600	No invoice submitted
E34 - Minamata Convention	0	5000	0%	5000	5000	No invoice submitted
Total	182,848	270,257	68%	270,257	87,409	

Table 20: Counterpart Costs

	ACTUALS	ORIGINAL ESTIMATE	UTILISATION %	FINAL ESTIMATE	FUNDS REMAIN	Comments
G23 - Rents & Leases	694,776	798,992	87%	798,992	104,216	Over-estimate budget amount, remaining balance from invoice received
G46 - Customary Land for Observation Stations and Towers	0	51,000	0%	51,000	51,000	Remaining balance for AWS stations to be surveyed
G63 - Co-location Digicel lease	184,692	184,692	100%	184,692	0	On Target
J46 - Roads for Land Board Leased Lands	486,368	500,000	97%	500,000	13,632	Roll Over for FY22/23
Q01 - VAGST Output Tax	1,163,679	1,354,748	86%	1,354,748	191,069	Mof to process remaining tax
Total	2,529,515	2,889,432	88%	2,889,432	359,917	

Table 21: Government Policies/Initiatives

	ACTUALS	ORIGINAL ESTIMATE		FINAL ESTIMATE	FUNDS REMAIN	Comments
G70 - Pacific Water and Waste Water Office lease	80,000	100,000	80%	100,000	20,000	Roll Over for FY22/23
L18 - Biodiversity Day	19,280	20,000	96%	20,000	720	Remaining funds from invoices received
L19 - World Water Day	17,554	20,000	88%	10,000	2,446	Remaining balance from invoice received
L20 - World Wetlands Day	17,651	20,000	88%	20,000	2,349	Remaining balance from invoice received
L21 - Sanitation Day	17,297	20,000	86%	20,000	2,704	Remaining balance from invoice received
L23 - UNCCD Land Day	19,467	20,000	97%	20,000	533	Remaining balance from invoice received

L25 - Energy Day	14,806	15,000	99%	15,000	194	Remaining balance from invoice received
Q19 - Waste Management Service Contracts	3,686,834	4,221,355	87%	4,221,355	534,522	Roll Over FY22/23- Remaining funds for other contractors hasn't paid on time due to contract variation
Q20 - Land Compensation	2,000,000	2,000,000	100%	2,000,000	0	On Target
Q35 - Land Registration / Leasing Commission	56,818	66,000	86%	66,000	9,182	Remaining balance from invoice received
Q46 - Sludge Maintenance Contract (Upolu Savaii)	162,960	164,100	99%	164,100	1140	Remaining balance from invoice received
Q56 - Plumbers Association	8256	10,000	83%	10,000	1,744	Remaining balance from invoice received
Q57 - National Environment Week	39,553	40,000	99%	40,000	447	Remaining balance from invoice received
Q58 - Customary Land Advisory Commission	202,488	205,000	99%	205,000	2,512	Remaining balance from invoice received
R57 - Water Sector Annual Review	14,940	15,000	100%	15,000	60	On Target
R58 - Water Sector Research Initiative & Impact Assessment	14,957	40,000	37%	40,000	25,043	Roll Over FY 22/23
R76 - Public Toilet Maintenance and Cleaning	285,894	388,300	74%	388,300	102,406	Roll Over FY 22/23 - Remaining balance for May-June 2022 invoices due to delay approval of contract variation.
R77 - Millennium Development Goals	7872	10,000	79%	10,000	2,128	Remaining balance from the invoice received
S11 - Lawn Maintenance	236,980	245,000	97%	245,000	8,020	Remaining balance from invoice received
S29- Garden Toilets	20,000	20,000	100%	20,000	0	On Targets
S53 - Technical Assistance/Professional Service-Water Sector	90,085	160,000	56%	160,000	69,915	Roll Over FY22/23
S54 - Rainfall Harvesting Program	0	150,000	0	150,000	150,000	Roll over for FY22/23
S55 - Land Compensation - Water Sector	400,000	400,000	100%	400,000	0	Roll over for FY22/23
S86 - Regulator (Annual Fees)	5540	32,000	17%	32000	26,460	Remaining balance from invoice received
S95 - Electricity Bill for Digicel Post	64,889	64,889	100%	65,000	111	June 2022 invoices hasn't been paid due to not enough funds.
U43 - Friendship Park	9711	200,000	5%	200,000	190,289	Roll over fy22/23
U80 - National Forest Replanting	333,772	1,000,000	33%	1,000,000	666,228	Roll over FY22/23
Total	\$7,827,604	\$9,646,755	89%	\$9,646,755	\$1,819,151	

Table 22: Revenues

REVENUES	ACTUALS	UTILISA- TION %	REVENUE TARGET	OVER/(UNDER)
2830 - Land Management	3,877,571.50	78%	5,000,000.00	(1,122,428.50)
2840 - Land Technical Services	40,106.00	105%	38,149.00	1957.00
2850 - Environment Services	103,572.60	150%	68,851.00	34,721.60
2860 - Forestry Mgmt, Plan- ning, Research Service	11,586.00	112%	10,322.00	(1,264.00)
2870 - Meteorological, Hydro- logical, Geo- logical	29,237.00	21%	137,060.00	(107,823.00)
2881 - Sustainable Water Resources Mgmt	6,500.00	98%	6,600.00	(100.00)
TOTAL	4,068,573.10	77%	5,260,982.00	(1,192,408.90)

Table 23: General Ledger

GENERAL LEDGER SUMMARY	ACTUALS	UTILISA- TION %	BUDGET	FUNDS REMAIN.	FULL YEAR BUDGET
Output Provided by Ministry	13,008,997	96%	13,483,159	474,162	13,483,159
Transaction on Behalf of the State	10,539,967	82%	12,806,444	2,266,478	12,806,444
TOTAL	23,548,964	90%	26,289,603	2,740,640	26,289,603

Table 24: Budget Summary

SUMMARY BY BUDGET CATEGORY	ACTUALS	UTILISATION %	BUDGET	FUNDS REMAIN.	FULL YEAR BUDGET
CAPITAL - Capital	529,517	81%	651,227	121,710	651,227
OPERATNG - Operating	2,239,754	99%	2,251,526	11,772	2,251,526
PRSONNEL - Personnel	10,239,726	97%	10,580,406	340,680	10,580,406
TOTAL	13,008,997	96%	13,483,159	474,162	13,008,997

ANNEX 2: BUDGET FY 2020/2021-KEY PERFORMANCE INDICATORS

Extracted from the Ministry Budget Full Year Review submitted to the Ministry of Finance (FY2020/2021) for all Outputs

OUTPUT 1- POLICY ADVICE TO THE MINISTER (CCGEF, RED & ESCD)

Performance Measure/ Indicator	Target	Progress	Comments
Number of Renewable Energy and Energy Efficiency workshops and meetings (including virtual)	10	Completed	We carried out more than 10 workshops and meetings including major workshops on Low Emission Development Strategies, Energy Audits and RE Subsector. Included are the 'improving the performance and reliability of renewable energy power systems in Samoa' (IMPRESS) project Quarterly technical working group (TWG) meetings for each of the 5 project components; And the quarterly technical advisory group (TAG) meeting at the end of every quarter. RE policy workshop and Community Consultation.
4 Community Renewable Energy (RE) and Energy Efficiency (EE) projects implemented	4	Completed	Installation of solar lights in (15 Garden Toilets), 5 Biogas Sites, 10 Kioski IWSA. Installation of 2 Biogas Compressors for selected sites (1 in Upolu and 1 in Savaii) Installation of Biogas Systems
National Sustainable Energy Policy (rebrand of RE Policy) developed and implemented	2	Completed	(Enhance NDC & 2 Regulations) Waste Energy & Land Transport), RE Policy for Renewable Energy in its final draft.
Low Emission Development Strategy [LEDS] developed and implemented	1	Completed	The rebranding of the GHG Abatement Strategy to Low Emission Development Strategy. Strategy final draft is in place, awaits to address all comments from various IA's before finalization of the document.
Develop and implement a financial scheme for RE and EE/DSM projects	1	Completed	A financial scheme is still in progress through its formulation and finalization stage. IMPRESS Project with collaboration of SBH and Banks to ensure the finalization of the scheme before grant dissemination.
Annual Report 2020/2021 completed and submitted to Parliament	1	Completed	Completed and submitted on time.
Install biogas system as onsite sanitation management and alternative fuel.	3	Completed	Three Biogas system was launched from Q3-2021 & Q1-2022 in Upolu and Savaii. 1 biogas system is complete for the 5 biogas sites under the IMPRESS Project and it still await for its official launching.

Promote wider awareness and educational programs on EE and RE i.e. (2 schools per quarter, 1 community per quarter)	5	Completed	School awareness programs in Upolu & Savaii for Q3-2021 & Q1-2022 has been hold due to the pandemic. Online awareness program for students is still in progress Awareness materials giveaways to strengthen public and community awareness.
Number of projects designed and implemented across the 5 GEF focal areas	4		
Number of Climate Change/GEF Small Grants Community Projects Awarded and Implemented	100%		
Policy Framework, Climate Change Bill and National Adaptation Plan and Strategy endorsed and implemented	80%	Ongoing	Samoa Climate Change Policy 2020-2030 endorsed and launched during the National Environment Week in November 2021. 2. Climate Change Bill is with the Legal Division for further review and consultation with key stakeholders. 3. Adaptation Strategy tentatively to be completed under the EWACC project in second quarter 2021
Number of Climate Change Adaptation and Mitigation Projects designed and implemented	80%	Ongoing	1. EWACC (Adaptation) project still on-going with implementation extension until November 2021 76% of utilisation rate. 2.TNC and FBUR project (Enabling activity) is now in its implementation phase with Project Coordinator on board Febraury 2021. 3. PACRES (adapatation) Project still on-going working closely with SPREP, Forestry Division and WSCU I19. 4. IMPRESS (mitigation) project implemented under RED with 65% utilisation rate ending Dec 2022. 5. PPCR (adaptation) project implementation on-going with a utilisation rate of 85% utilisation rate ending June 2021. Samoan Transaltion completed for Cim plans.
Annual UNFCCC negotiations attended and outcome recorded	1	Ongoing	2 meetings attended with the Representation by ACEO CC and GEF on behalf of MNRE
Environment Sector Annual Review conducted	1		
Fourth Edition of State of the Environment Report developed by	75%		

OUTPUT 2- MINISTERIAL SUPPORT

Performance Measure/Indicator	Target	Progress	Comments
Number of High Level Meetings attended by the Minister / (Associate Minister).	20	Incomplete	No high level meeting around this FY due to Covid 19 SOE restrictions for borders to remain closed
Number of MNRE Boards Meetings facilitated (Forestry, Land Board, Water Board, Geographic Name Board)	24	Incomplete	Covid 19 restrictions
Ministerial Advisory Committee meetings (Upolu and Savaii)	24 meetings	Incomplete	

OUTPUT 3- LAND MANAGEMENT SERVICES

Performance Measure/ Indicator	Target	Progress	Comments
Number of applications for government land leases, land taken for public purposes and reclamations approved by Land Board.	100	Partially Achieved	Consistent delays with monthly Land Board meetings where key decision makings regarding approval or not of lease proposals are decided. These delays or meeting defers are mainly due to the unavailability of the Chair (the Hon. Minister) because of non-stop travels and other busy schedules
Number of applications for valuation processed and approved	152	Completed	Valuation targets far exceeded the target set for this financial year. These targets are easily met due to the high demand for valuation and at cheaper rates, compared to the private sector
Number of instruments registered and approved which complied with the Land Titles Registration Act 2008.	2,000	Completed	The expected target was achieved just above the set limit. This is indicative of the relative high demand for registration of freehold lands including other types of land transactions
Number of Land claim applications reviewed and approved	5	Partially Achieved	Internal processing of land claims for investigations by the Land Commission is always timely prepared in advance and ready for execution. However, convening of Land commission is largely dependent on the availability of the Chairman (Chief Justice) and all affected parties involved.
Number of burial plots allocated/ and maintained(contracts monitoring of cemetery sites)	60	Completed	The target was achieved beyond the set number of burial plots approved. This is indicative of the increased number of deaths due to COVID and related diseases.
Number of critical landscapes and degraded lands rehabilitated, restored and reversed through application of sustainable land management, mitigation measures, tools and practises.	10	Completed	The set target was achieved during the implementation of the SMSMCL project and by the ongoing annual implementation of the current 3-5 million tree planting campaign.
Number of stamp duty applications processed and approved	450	Partially Achieved	The target number of transfers and processed for stamp duties was successfully achieved
Number of applications for sandmining, scoria mining, sea reclamations and applications for temporary use of government land for billboards, banners and stalls processed and approved.	100	Partially Achieved	Only 50 out of 100 target of total applications was achieved for this FY or only 50%achieved. This is indicative of many months without operations due to extensive lockdowns due to COVID and spread of other related diseases such as the flu bug
Number of applications for customary land leases and licenses processed and approved	20	Partially Achieved	About 11 out of the 20 set target of new leases were lodged with the Ministry which is a huge drop as well. The six (6) months duration of publication and family disputes including lengthy case deference can significantly hinder or stall the process and/or pause or haltt completely progression to the approval stage. This explains the partial achievement of the set target.

Number of consultations conducted with community on promoting economic use of customary lands	5	Partially Achieved	Only 1 consultation happened in this FY, which was attended by about 86 participants. Again, the covid extensive lockdowns can be alleged as a major setback against achievement of set targets
Number of policies and strategies of the Government Land Masterplan 2030 reviewed, developed and implemented	2	Incomplete	The Government Land Masterplan (MP) is still not yet approved, and none of policies or strategies of the MP has been reviewed or developed.
Annual UNCCD Land & Soil Day/Week national commemoration including number/percentage of launched NAP/LDN Awareness activities	100%	Completed	The commemoration of National Land and Soil Day was successfully achieved especially at the community level.

OUTPUT 4- LAND TECHNICAL SERVICES

Performance Measure/Indicator	Target	Progress	Comments
Number of survey plans received for examinations	160	Completed	Only 151 survey plans received for examination cause of COVID 19. 145 plans approved 5 Plans return to surveyor for requisition and 1 on investigation
Number of survey plans approved and comply with the Survey Act 2010 and Survey Regulation 2011(scanning and recording on the Digital Cadastral Database (DCDB/SOLA system)	150	Completed	145 Plans approved and scan to T- Drive prepapre for digitize. All compelted and this is an going process
Number of survey investigations and inspections (survey plans)	8	Completed	All investigations completed
Number of surveys completed for Land Board-MNRE	4	Completed	9 surveys completed (both for Land Board and works approved by the Ministry) and 4 surveys are ongoing.
Number of surveys and works completed as approved by the Ministry	4	Completed	Same as above
Number of controls marks eastablished, upgrade and maintain for the National Control Network (Horizontal and Vertical control)	40	Completed	104 Horizontal Marks (3rd order control)
Number of maintenance for 2 Continuously Operating Reference Stations (CORS) - GPS/GNSS station	4	Completed	6 maintenances for the GPS/GNSS station at Fagalii Airport but the one at Faleolo is no longer operational.
Number of maps produced and sold both public and government ministries	100	Completed	Number targets far exceeded the target set for this financial year. These targets are easily met due to the high demand not only from our internal projects and divisons but also our external request.
Number of determinations approved by Geographic Names Board	30	Partially Achieved	Two Board meeting has been conducted with 16 proposed road names approved by the Board. Meeting has been post pone for a number of times due to the covid lock down.

Number of Spatial data License Agreement signed and released	5	Partially Achieved	Three out of five Spatial Data License Agreement has been signed and release Spatial Data for both internal and external request submitted.
Number of Country talks on the delimitation of the Maritime Boundary for Samoa's EEZ	3	Completed	<ul style="list-style-type: none"> Completed first part of the technical work for our four neighboring countries which are the validation and verifications of data exchanged. Completed validation of New Zealand proposed median line, report has been compiled and submitted to the National Committee. Tehnical negotiation at this stage is still ongoing Completed first validation of US proposed median line report has been compiled and submitted to the National Committee with technical issues that needs clarification from US, so its still an ongoing task until its final validation work Completed the Samoa proposed median line for our boundary with Wallis and Futuna. Technical work and proposal has been submitted to the National Committee for their review before exchanging. Ongoing task
Number of World Bank Projects/Technical Advisor Support	2 (1 and 3 virtual meetings)	Completed	Control Survey of Alafaalava Road from Tapatapao to Leulumoega completed. Three Steering Committee meeting conducted virtually due to COVID-19 pandemic
Number of Contracts review, tender documents, technical advice (infrastructure projects)	5 (Alafua, Aleisa Rd, Lotosamasoni Lelata Cross Is)	Incomplete	Contract for the Boundary Survey between Aopo and Sasina village was cancelled

OUTPUT 5- ENVIRONMENT AND CONSERVATION

Performance Indicator	Target	Progress	Comments
<p>Policy and regulating legal instruments developed/strengthened (terrestrial & marine biodiversity conservation, Nature reserves & Protected areas including waste management).</p>	<p>6</p>	<p>Partially Achieved</p>	<ul style="list-style-type: none"> • Submitted technical review for the draft TOR to the legal division for the final development and endorsement of the EMC Bill • Technical review for the draft Genetic Resources and associated Traditional knowledge submitted to the legal division for relevant actions • Redrafted International Trade in Protected Species Bill 2021 (CITES Samoan Bill) • Samoa Ocean Strategy (SOS) implementation • Completed the 3rd National Ocean Steering Committee (NOSC) meeting • 2nd meetings of the 2 Working Groups completed (Governance & Policy Working Group & Technical Implementation Working Group) • Website and Logo launched • SOS Science Strategy development completed 1st stakeholder consultation • Marine Spatial Plan Development – Completed forty one (41) community consultations covering 177 coastal villages within 52 political districts in Upolu, Savaii, Manono and Apolima. • Four (4) key sectoral stakeholders consultations (Toursim, Fisheries, Government entities, NGOs) • Drafted submission to expert for review and awaiting for the Consultant to be on board to refine the deposits and infrastructure development for the Take Back initiative • Conducted the User Pay Community consultations via a questionnaire methodology • Conducted monitoring of the ban • Liaised with the Legal Division and public feedback using the social media platform to assist law enforcement • Completed process for the proclamation of 3 terrestrial and 1 marine reserves • Conducted visitor questionnaire seeking peoples opinion for possibility to pay a user pay fee for using Vailima National Reserve • Draft rules for the use of reserves prepared • National Parks and Reserves Act amendment text incorporated into the draft Environment Management and Conservation

<p>Management/conservation of species of interest (ie; Alien invasive species, threatened & endemic species) (manumea, maomao)</p>	<p>9</p>	<p>Completed</p>	<ul style="list-style-type: none"> • Completed round of maintenance and monitoring for the 11 reserves including the Friendship Park under the National Reserves and Protected Area management operation • Completed round of maintenance and monitoring for 5 reserves under contractual services • Twenty-two thousand, five hundred and twenty-two (22,522) seedlings of mix native and ornamental plants propagated and raised at the Vailima Botanical Garden nursery • More than 11,000 seedlings of mix native plants dispatched to support community and partner tree planting and restoration activities • About 12.2 ha of land restored with native trees at Malololelei and Mt. Vaea sites • Six tree planting activities implemented involving SCS, UK High Commission, and NZ High Commission Offices. • Completed one meeting of the Protected Area Advisory Committee - PACC • Completed zoning plan for the Vailima Botanical Garden identifying the different thematic areas • Completed process for recruiting contract to continue maintenance for the zone two reserves for the next 3 consecutive years • MOU signed between MNRE and Matautu Lefaga to officiate partnership for the development of a village CCA • MOU between the Kappenbergers family at Fasitoo-uta and MNRE for the establishment of a private reserve prepared
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<p>Development, maintenance and restoration of Nature & Marine Reserves, Protected Areas Network including nursery development.</p>	<p>28</p>	<p>Completed</p>	<ul style="list-style-type: none"> • Completed round of maintenance and monitoring for the 11 reserves including the Friendship Park under the National Reserves and Protected Area management operation • Completed round of maintenance and monitoring for 5 reserves under contractual services • Twenty-two thousand, five hundred and twenty-two (22,522) seedlings of mix native and ornamental plants propagated and raised at the Vailima Botanical Garden nursery • More than 11,000 seedlings of mix native plants dispatched to support community and partner tree planting and restoration activities • About 12.2 ha of land restored with native trees at Malololelei and Mt. Vaea sites • Six tree planting activities implemented involving SCS, UK High Commission, and NZ High Commission Offices. • Completed one meeting of the Protected Area Advisory Committee – PACC • Completed zoning plan for the Vailima Botanical Garden identifying the different thematic areas • Completed process for recruiting contract to continue maintenance for the zone two reserves for the next 3 consecutive years • MOU signed between MNRE and Matautu Lefaga to officiate partnership for the development of a village CCA • MOU between the Kappenbergers family at Fasitoo-uta and MNRE for the establishment of a private reserve prepared
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Public Awareness & Community outreach programs	15	Completed	<ul style="list-style-type: none"> • Completed five (5) public awareness and community outreach programs for terrestrial biodiversity conservation • Manumea community consultation at Faleseela. • Samoa College career day for Yr9 to Yr13 students • Awareness program with Matautu Lefaga community (40 participants) on ecosystems restoration and invasive species management. • Biodiversity Conservation and Waste Management Day • National Environment Week • Designed and disseminated 429 types of Terrestrial Biodiversity Conservation awareness materials (bird, manumea posters, water lettuce myna bird b, reptile brochures, butterfly booklet and invasive plant poster and pull up banners. • Terrestrial Biodiversity Conservation Service pull-up banner • Pigeons of Samoa pull-up banner • Samoa's flying foxes pull-up banner • Four (4) awareness and educational program on mangroves conservation for Pesega College Yr 12 Geography, Samoa Primary Yr 7, Leififi College Yr 12 Geography and Fusi-Saoluafata community • Five (5) awareness & community outreach programs/trainings on fabrication of coral nursery units (theory and hands-on field practical) and mangrove replanting demo for villages in Savaii (Saleaula, Satoalepai, Saipipi, Vaitoomuli and Siutu) • Awareness educational presentation on mangroves and coral reefs for Matautu-Lefaga community • Information materials developed and launched • Ocean Planning in Samoa Infographic • Biophysically special, unique marine areas of Samoa Infographic (SUMA) • Marine bioregional of Samoa Infographic • Completed mangrove audit assessments for Fagalii and Fusi Saoluafata • Completed turtle nesting monitoring for Matautu-Lefaga • Completed three (3) preliminary rapid assessments for mangroves of Fagalii, Sapunaoa and Fusi Saoluafata
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<p>Research and monitoring/surveys (ie: Terrestrial & Marine biodiversity conservation, Nature reserves & protected areas including Waste Management)</p>	<p>90</p>	<p>Completed</p>	<ul style="list-style-type: none"> • Completed the site assessment and monitoring for flying fox at Uafato, Malololelei, Vailima, Savaia, Fasitoo Uta, Safune and Falealupo. • Monitoring survey for birds completed at Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pue national park, Malololelei nature reserve, Falealupo peninsula, Falealupo coastal, Tafua crater, Tafua coastal, Salelologa coastal • Completed the technical training for staff on the methodology to conduct seabird monitoring works • Completed the reptiles monitoring at Uafato community conservation area, Faleaseela community conservation area, O le Pupu Pue national park, Malololelei nature reserve, Falealupo peninsula, Falealupo coastal, Tafua crater, Tafua coastal, Salelologa coastal • Butterfly monitoring survey completed for Uafato Community Conservation Area, Faleaseela community conservation area, O le Pupu Pue national park, Malololelei nature reserve, Falealupo peninsula, Falealupo coastal, Tafua crater, Tafua coastal, Salelologa coastal • Achievements; • Submitted technical review for five (5) terrestrial research applications for CEO endorsement • Biodiversity (invertebrates, fresh water fish and shrimp) survey at Alaoa • Investigate the relationship between humans and invasive species • Mapping widespread weeds before and after cyclonic activities in the Pacific • Study to isolate and characterize bioactive natural products from Samoa medicinal plants • Screening of the selected plant material, marine samples and soils samples for bioactivity (antimicrobial, anti-enzymatic and anti-cancer) properties • Signed and issued five (5) ABS agreements and export permits for the approved terrestrial research applications • Responded and addressed the following complaints/concerns; • identification of unknown distressed bird
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<p>Information & Knowledge management/capacity building and training (ie: waste compliance management, database)</p>	<p>14</p>	<p>Completed</p>	<ul style="list-style-type: none"> • Input four (4) approved terrestrial research application, ABS agreements and export permits. • Updated existing database with new data on birds, butterflies, reptiles and water lettuce • Initial discussion for facilitation of technical training completed • Completed two (2) trainings to enhance the implementation of Nagoya Protocol on ABS in Samoa • Completed 4 trainings to improve knowledge and capability of staff on tools and methods for effective implementation of marine work • Staff participation in the Report Writing training • Training on sea sketch spatial mapping tool, to support MSP • GIS training theory and practical for mapping of protected areas. Completed sea sketch training for staff • Staff trained in the fabrication and deployment of coral nursery units for reef restoration purposes. • Addressed two (2) collection complaints • Conducted one (1) Disaster Waste rapid assessment and estimation training under JRISM-II Project • Staff training to improve knowledge and skills in report writing • Twelve (12) transboundary movement of hazardous wastes applications received assessed and consented. Eight (8) transit applications from Pacific countries and four (4) from local recyclers. Used car batteries and bulky metals are the main wastes exported and processed under the Transboundary process. • Database for Transboundary Movement Process updated • GIS refresher training involving MNRE, NGOs and other government ministries implemented with the support by SPREP-BIOPAMA project • Basic English training for the 11 cash for work staff completed and supported by the GCF project • Three (3) schools including students from the National University of Samoa visited the Vailima National Reserve to learn about the key conservation programs implemented that link to their area of study
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Development Consent Application (DCA) Re EIA/PEAR review)	8	Completed	<ul style="list-style-type: none"> Conducted the EIA site visit and prepared technical review for the following developments; Construction of a supermarket and storage warehouse at Utualii Construction of quarry operations, blasting and drilling at Saleimoa Construction of Frankies supermarket at Laulii Construction of warehouse at Falelauniu Attended Samoa Sustainable Tourism Development on Planning Training-EIAs Provided comments and feedback on EIAs developments submitted by PUMA.
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OUTPUT 6- FORESTRY MANAGEMENT, PLANNING & RESEARCH SERVICES

Performance Measure/ Indicator	Target	Progress	Comments
Total hectares planted to restore degraded forests in National Parks, State Forest land and Community woodlots.	100 ha	Completed	<ul style="list-style-type: none"> Four National Parks (NPs) and one State Forest land; O Le Pupu Pu'e, Lake Lanotoo (Upolu), Mauga o Salafai and Masamasa-Falelima and Vaipouli (Savaii) were well managed and ecologically restored. 30.23 ha planted for ecological restoration in National Park, State Forests Land and CCA. 109.42 ha planted under the Community Forestry Programs (woodlots). A total of 139.65 ha was planted and restored.
Total hectares maintained in four (4) National Parks and State Forest land	515 ha	Completed	<ul style="list-style-type: none"> 827.25 ha were well maintained and 17.4 ha were refilled (restocked) with new seedlings within four National Parks and State Forest land.
Total number of individual farmers/societies registered and participated in Community Forestry and Agroforestry		Completed	<ul style="list-style-type: none"> 248 new farmers registered and participated in Community and Agroforestry programs
Number of national parks and community conservation areas management plans developed and implemented.	1	Completed	<ul style="list-style-type: none"> Ongoing implementation of existing management plans for 4 national parks.
Total number of seedlings produced in five (5) forestry nurseries	150,000	Partially Achieved	<ul style="list-style-type: none"> Partially Achieved and ongoing. 133,773 seedlings raised in five (5) forestry nurseries (Vailima, Togitogiga, Maota, Vaipouli and Asau). The shortfall in target was due to Covid 19 which impacted on staff attendance.
Number of research and species trials conducted	2	Completed	<ul style="list-style-type: none"> Achieved and ongoing. 1. Research on biomass and carbon stock estimate for 8 tree species. 2. Research trial on Assisted Natural Regeneration of forests for 7 PSP. 3. Forest Tree Phenology conducted on a monthly basis for 4 sites.
Number of wetland areas assessed, protected and documented	1	Completed	<ul style="list-style-type: none"> Procurement process was conducted for recruitment of a national consultant for Vaipu Swamp Forests Survey, ToR, RfP, advertisement and evaluation conducted

Number of forest conservation and production layers produced through collection of survey and monitoring data	5	Completed	<ul style="list-style-type: none"> 19 of forest conservation and production layer updated in the Samoa Forest Resource Information System (SamFRIS) Database through survey and data collection.
Number of mobile sawmills registered and inspected	13	Completed	<ul style="list-style-type: none"> 10 Sawmills registered and operated.
Coordination and recording of the number of trees planted by all stakeholders under the 2 million trees planting campaign (5 years)	400,000	Completed	<ul style="list-style-type: none"> A total of 2,070,785 seedlings distributed and planted which constitutes to 103.5% of the overall target for five (5) years. of the campaign. The campaign officially ends in 2020 with its target being successfully met from the collaborative efforts of the key stakeholders.
Number of forest harvesting license permit approved issued	20	Completed	<ul style="list-style-type: none"> 19 licenses and permits application received, assessed and monitored for harvesting of forestry resources. 3 illegal loggings were also inspected and reported.
Number of awareness and educational programs conducted on forestry	5	Completed	<ul style="list-style-type: none"> One phenology consultation conducted for 20 registered farmers for East Savaii. 1 nursery training conducted by FD & SCS at OLPP NP. 2 rubbish collection conducted by FD & SCS at OLPP NP. 1 consultation conducted at Maagiagi for ground truthing survey at VCA. PIFRI workshop – Moataa, Faleseela and Vailima with its purpose to expand the knowledge based and skills of the youth groups and workers in Samoa’s environment and natural resources and the impacts of climate change also the role of forests and tree planting as carbon sinks 2 consultations for Matautu and Taga Communities conducted by PACRES & FD Update of forestry databases 3 Million Tree Planting Campaign Brochure Native Trees of Samoa Poster Reprinting National Forestry Day Pull up banner 1 QCC awareness billboard erected at OLPP NP
Total hectares of forest preserved and compensated under the Payment of Ecosystem Services (PES)	2	Incomplete	

OUTPUT 7- METEOROLOGICAL, WEATHER AND CLIMATE, GEOLOGICAL & GEOPHYSICS SERVICES

Performance Measure/Indicator	Target	Progress	Comments
Number of daily public and marine weather bulletins	2000	Completed	2910 daily public and marine weather bulletins issued.
Number of daily Tokelau forecast translation	730	Partially Achieved	728 daily forecasts translated for Tokelau
Number of daily aviation route forecast	8760+1	Incomplete	There was no aviation forecast produced during the reporting period. Heavily impacted by COVID which dramatically reduced flights there were no route forecast prepared for aircrafts
TV Weather reports	300	Partially Achieved	210 TV Weather reports completed
Number of monthly weather summary	12	Completed	26 weather summaries generated. These are currently being provided on a fortnightly basis for discussion
Number of discussion archives	730	Completed	730 discussions achieved. These discussions are carried out twice each day
Number of meteorological aerodrome reports (METAR)	8760	Partially Achieved	8528 - METAR reports generated. The target was heavily affected by COVID-19 restrictions
Number of special meteorological aerodrome reports for deteriorating weather (SPECI)	360	Partially Achieved	195 SPECI reports produced. The target was heavily affected by COVID-19 restrictions
Number of Synoptic reports	2920	Partially Achieved	2769 synoptic reports produced. Due to COVID-19 lockdown some observations
Climate Observation Report Apia, Faleolo, Afiamalu, Savalalo, Alafua, Nafanua & Moamoa	730	Completed	2555 observations conducted, these were reported in 360 climate observation reports. Reconsider amending KPI to 360 reports
Automatic Weather Station reports	360	Partially Achieved	Only 4 reports were generated from AWSs
Nodding Sessions to provide briefing observations and verifications, weather forecast, climate outlook, earthquake weekly summary	160	Partially Achieved	147 Nodding Sessions conducted: 87 Nodding Session briefings for weather, 12 climate outlook presentations and 48 earthquake summaries
Fortnight outlook report for the wet season	13	Completed	13 Outlook reports produced
Social media updates (text, pictures, videos)	260	Completed	436 social media updates made
Agro-meteorology bulletins/ tsunami, floods)	12	Incomplete	Trial bulletins were generated however this project was on hold during COVID-19
Weather charts (surface, mid-level, upper-level)	2920	Partially Achieved	2408 weather charts produced
Smartphone application updates	1460	Partially Achieved	1002 smartphone application updates were made

Warnings per weather event (heavy rain, flooding & marine)	36	Partially Achieved	18 warning issued. Number was determined by weather conditions
Advisories per weather event (marine, heavy rain, flood, coastal flood, wind and High Surf)	60	Partially Achieved	38 advisories issues as warranted by weather conditions
Severe Weather information bulletins/earthquakes	240	Completed	348 weather information bulletins issued
Data Requests (Special Forecast Request & Report, Climate Data, seismic data)	50	Partially Achieved	There were no special weather forecasts requested, 10 climate data requests submitted
Special Weather Bulletin & Media Release (Tropical Cyclone)	5	Incomplete	There was no tropical cyclone during the FY therefore there were no special weather bulletins issued
Technical Maintenance of AWS, seismic stations, tide gauge, climate stations	24	Partially Achieved	5 maintenance carried out for AWS stations
Disaster Advisory Committee Briefing	5	Partially Achieved	1 DAC briefing provided
Awareness campaign delivered for TC, EQ, Climate and Ozone	20	Completed	40 Awareness campaigns delivered
Number of felt earthquake reported	60	Partially Achieved	42 felt earthquakes reported
Number of earthquake information bulletins issued	150	Partially Achieved	99 Information bulletins issued
Number of earthquake reports analyzed	2000	Partially Achieved	1738 earthquake reports analyzed
Number of Tsunami Bulletins	8	Incomplete	there were no tsunami bulletins issued
Number of Geotechnical investigations reported	10	Partially Achieved	Only 4 geotechnical investigations were carried out. This is on a needs basis
Number of Geo-magnetic observations reports	48	Completed	50 observations reports on geo-magnet
Number of maintenance of drilling rig and vehicles	70	Partially Achieved	30 maintenance carried out for vehicles and drilling rig
Number of Climate Summary	12	Completed	12 climate summaries issued
Number of Seasonal Climate Outlook	12	Completed	12 Seasonal Climate Outlook issued
Number of Early Action Rainfall Watch Bulletin	12	Completed	12 Bulletins issued for Early Action Rainfall Watch
Number of Ocean Outlook	12	Completed	12 Ocean Outlook issued
Number of Outlook Climate Outlook Forum (OCOF)	12	Completed	12 OCOF completed

Number of AgroMet Bulletin	12	Incomplete	2 trial bulletins were generated
Tropical Cyclone Outlook	1	Completed	Annual tropical cyclone outlook issued
Number of Meetings, conducted for Agromet, PICO, COSPPAC, National Ozone Committee, RACAS, PREP, WMO	20	Completed	22 Meetings conducted for; Agromet (2), PICO (2), COSPPAC (2), National Ozone Committee (4), RACAS (6), PREP (6), WMO (?)
Number of licensed companies importing controlled substances under the Montreal Protocol and licensed technicians	50	Completed	57 handing licenses and 6 importing licenses approved for the FY
Number of Customs Training conducted for refrigerants monitoring	2	Completed	2 Customs training conducted for Customs officers and Customs brokers
Number of Refrigeration and Air Conditioning Technicians training	4	Completed	7 RAC trainings conducted in Upolu and Savaii
Amount of HCFC phased out	2mt	Completed	Consumption reduced from 4.6MT to 0.1224 Metric Tonnes in 2021
Number of reports for (HCFC and HFC) data, interim and final progress reports for ozone projects	12	Completed	12 reports prepared and submitted to the Ozone Secretariat and the Multilateral Fund Secretariat
Number of inspections and data collection - import companies, RAC technicians, Customs & Customs Brokers	10	Completed	15 Inspections conducted. Two (2) National inspections carried out for Upolu and Savaii which inspected in average 47 RAC companies and individuals; 1 joint inspection with MOF-Energy Division and 12 inspection with Customs & Customs Brokers

OUTPUT 8- WATER RESOURCES MANAGEMENT

Performance Measure/Indicator	Target	Progress	Comments
Number of Watershed Management Plans (WMPs) formulated and finalized	2 New WMPs (Satalo & Luatuanuu)	Completed	<ul style="list-style-type: none"> Priority sites identified for FY 21/22 were Sataoa and Luatuanuu. Due to State of Emergency Orders and restrictions, WRD was only able to: <ul style="list-style-type: none"> (i) carry out characterization works for both sites; (ii) hosted initial consultations for the Sataoa and Luatuanuu WMPs on the 15th and 17th of March, 2022 respectively; and, (iii) Compile initial draft of WMPs for both sites. 2nd Phase of consultations are scheduled for the FY 22/23 budget.
Percentage of approved WMPs under implementation	59%	Partially Achieved	<ul style="list-style-type: none"> Ongoing monitoring and maintenance of priority watershed areas with the support of the CFW teams (spot weeding, slashing, refilling, fence boundary clearance)

Cumulative total hectares of prioritized watershed areas rehabilitated and / or declared reserves	20 additional hectares (362 ha)	Completed	<ul style="list-style-type: none"> Rehabilitation of degraded areas within Afiamalu and Malololelei reserves River bank stabilization activity conducted for the Vaisigano riverbanks using the vetiver plant under the Economy-Wide Adaptation to Climate Change (EWACC) Project. Contribution to the 3 Million National Tree Planting Campaign in partnership with 6 Community Conservation Areas (CCAs). All CCAs identified as areas in need of rehabilitation and replanting in efforts to protect water resources.
Groundwater potentiometric map developed using established monitoring boreholes	0.33	Completed	<ul style="list-style-type: none"> Profiling of the 30 existing monitoring boreholes completed Assisted MET office and OSM in collecting borehole data from boreholes drilled at Tamaligi for the new SIFA office geo-survey in July 2021. Mulivai GW telemetry was repaired on 21/02/22
Number of monitoring boreholes drilled and feasible for groundwater monitoring	2 new monitoring boreholes	Incomplete	<ul style="list-style-type: none"> No new boreholes were drilled in FY21/22 due to unavailability of the drilling rig
Regulatory tools in place and implemented, including policies, abstraction licenses, drilling permits and village by laws	6 new regulatory tools in place	Completed	<ul style="list-style-type: none"> The development of the Upland Watershed Protection Regulations 2021 commenced on 12 April and completed on the 20th December 2021 after 2 budget neutral variations. The draft Regulations are now with the OAG for finalization and endorsement. 6 new groundwater abstraction license applications were received from the Samoa Water Authority for abstraction activities in Saleaumua, Gataivai, Sataua, Fusi Safotulafai (Logoipulotu), Nofoalii & Satapuala; these were processed and issued on the 21st January 2022 2 new license applications received from EPC for Lotosamasoni and Fale o le Fee hydro power stations. Both licenses have been processed and issued on the 21st January 2022 9 Draft bylaws in place (Letogo/Vailele, Lepa, Maliolio, Fagalii, Salailua, Lalomauga, Nuusuatia, Lotofaga Safata and Lau'i'i) and in preparation for submission to OAG for verification Monitoring of water users in Savaii was conducted from 09th - 11th November 2021 and the 09th - 11th March 2022. Compliance monitoring of water users around Upolu was completed on the 07th-08th June 2022
Number of Advisory (Water Resources Board) and Technical Coordination (WRTC) Committee Meetings	8	Partially Achieved	<ul style="list-style-type: none"> 5 meetings conducted. 3 WRTC meetings conducted in July, Sept, and November and 2 WR Board Meetings on the 25th November 2021 and 24th February 2022.

OUTPUT 9- DISASTER MANAGEMENT

Performance Indicator	Target	Progress	Comments
Number of response agencies, businesses, and NGOs trained using training toolkit for response agencies and have response plans in place	5	Completed	<ul style="list-style-type: none"> TA recruited to review the Response Agencies Toolkit - Version 1 presented - 3 drafts response plans (MNRE, Water Response Plan, Disaster Waste Plan) 1 NGO Anglican Church, 1 Hotel Sheraton + 58 trainings and briefings for NEOC providers under the COVID19 SOE
Number of school's including schools committees trained on disaster preparedness	3	Completed	<ul style="list-style-type: none"> 25 ECEs schools, teachers and parents trained using the ECE toolkit
Number of villages that have completed CDCRM and have disaster plans in place	15	Completed	<ul style="list-style-type: none"> 12 village plans developed and simulated, 14 villages plans reviewed
Number of awareness campaigns developed and delivered and improved access to risk information	3	Completed	<ul style="list-style-type: none"> 12 village plans developed and simulated, 14 villages plans reviewed
Number of buildings assessed and declared as an evacuation center	10	Completed	<ul style="list-style-type: none"> 12 buildings assessed and identified as evacuation centres under the CDCRM program, 4 national evacuation centres re-assessed
Multi-Hazard Early Warning System (MHEWS) fully functional - New NEOC office (sirens, ERN, SMS, email) - monthly tests - Drills	12	Completed	<ul style="list-style-type: none"> ERN fully functionsl, ESN fully functional with 4 sirens that needs replacement, 50 new hand held procured, programmed and utilized for selected DAC members under the COVID19 SOE
Number of Sectors with DRM integrated plans	4	Completed	<ul style="list-style-type: none"> Water & Sanitation Sector, Education Sector, Tourism sector,
Number of risk assessments completed and disseminated (Coastal Erosion, Floods, Landslides, Tree Management)	2	Completed	<ul style="list-style-type: none"> 12 hazard risk assessments completed and disseminated
GCF Project Early flood warning system for the Vaisigano Catchment (with relevant agencies)	5	Partially Achieved	<ul style="list-style-type: none"> WRD & DMO and project PMU working together for this activity - flooding sirens in progress - delays due to the COVID19 SOE restrictions
PREP Project -Establish Safety School to be used as an Evacuation Centre	1	Partially Achieved	<ul style="list-style-type: none"> Vaigaga Primary School in progress WRD & DMO & PMU working together for this activity
Disaster Advisory Committee Co-ordination Committee - Timely meeting to inform NEOC opeations and its co- ordination role for proclamation of emergency	3	Completed	<ul style="list-style-type: none"> 1TC Outlook + Full DAC meetings and Sub-DAC meetings for COVID19 SOE & Nafanua Ops

Review policies and procedures (DMO & NEOC)		Completed	<ul style="list-style-type: none"> 4 SOPs developed for SOE COVID19, Nafanua Ops, - NDMP review scheduled for the next FY due to COVID19 SOE
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OUTPUT 10- WATER SECTOR COORDINATION UNIT

Performance Measure/ Indicator	Target	Progress	Comments
% of implementation of the updated WfL Sector Plan 2020-2025	40%	Completed	More than 40% of the planned activities achieved as reported in TSC, JWSSSC and subsector meetings
Review of the National Water Services Policy	X	Partially Achieved	Tender advertised and evaluation completed. Awarding of contract to winning bidder and contract preparation underway.
WASH Baseline Survey conducted and reported	X	Complete	A coastal water quality sampling survey has been conducted by PUMA/ WRD in Salelologa Savaii as part o WASH baseline data collection.
Number of researches to be implemented per annum	2	Partially Achieved	The review and update of the National Effluent Discharge Standards is currently underway. A TA has been recruited to conduct this work with works to be completed in August 2022
Conduct Annual Water and Sanitation Forums	9th	Completed	Forum was conducted jointly with the National Environment Sector in November 2021
Consolidate Research Papers and Publish the Journal	5th	Partially Achieved	Compilation of research paper underway for the next issue of the journal
Update the sector MTEF in line with approved annual budgets	MTEF 2021-2025	Completed	MTEF update completed
Develop and submit the Disbursement Request Report to EU Office and other donor partners	X	Completed	Project reports submitted
Update the Investment Plan and Budget Estimations	IP 21-31	Completed	Investment Plan incorporated into the WASH Sector Plan 2020-2025
Updated Procurement Plan	X	Completed	Procurement plan updated and monitored regularly and reported in divisional/ sector meetings
Number of sector meetings held per year	50	Partially Achieved	More than 80% of meeting took place which included the TSC, JWSSSC, subsector, workshops, consultations etc
Number of MOU/ MOA	1	Completed	MoUs signed with PWWA and PAS for collaboration
Conduct annual sector performance reviews	14th	Completed	Completed in October 2021
Publish annual sector reports	13th	Completed	Report consolidated and launched in WWFD in April 2022
Update the Sector's Performance Monitoring System	X	Partially Achieved	Regularly updated
Implementation progress of the Sector Communication Strategy	X	Completed	More than 90% of planned activities implemented. The new WASH Sector National Communications Strategy has been completed and to be launched in July 2022.

Upgrade of the Sector Webpage	X	Completed	Activities constantly updated to the MNRE FB page and linked to the website
Number of Quarterly Newsletters issued	4	Completed	4 newsletters completed and circulated to sector IAs
Sector Information Resource Hub Developed	X	Partially Achieved	E filing system in place for all relevant reports of the sector
CBSAP Implemented	80%	Completed	Capacity building program conducted through partnerships with Oloamanu, TCF - MOF and APTC
Review, update & implementation of the Sector CBSAP 18/21 to CBSAP 2022-2027		Partially Achieved	ToR and tender for TA advertised in May 2022 and due in on June 2022. Evaluation completed with contract preparation under way for the winning bidder.
Review and update of the Sector Disaster Response Plan and Operations Manual	X	Partially Achieved	Draft WASH Sector Disaster Risk Management Strategy 2022-2025 in place with consultation for finalisation underway
Number of IA trainings conducted on Disaster Risk Management	1	Partially Achieved	Sector Partners have been engaged in other drills done by DMO

OUTPUT 11- INFORMATION AND COMMUNICATION TECHNOLOGY DIVISION

Performance Measure/ Indicator	Target	Progress	Comments
Website and Environmental Portals, with a new version WordPress software (Daily Back-Up at Vailima Office)	100%	Completed	<ul style="list-style-type: none"> Website and Environmental Portal upgraded with new version of wordpress.
Security and Level of Maintenance of Systems, DKIF, Websites and Environmental Portals (Daily Back-Up at Vailima office)	90%	Partially Achieved	<ul style="list-style-type: none"> Ongoing maintenance and update of the all information systems within the ministry: Website, SOLA/LIDAR, PostFix (Email), DKIF, Pacific Climate Change Portal (iCLIM), GEONode, Telemetry, Access and Benefit Sharing (ABS) and Finance One.
Maintenance of IT Network (Operational) (15 servers)	100%	Partially Achieved	<ul style="list-style-type: none"> Ongoing maintenance and operation of 15 servers in the main office: system servers, file servers, Firewall, Active Directory, DNS and Telephone System etc. 95% of the helpdesk issues resolve.
Upgrade security and licensing (Firewall, Antivirus, SSL)	100%	Completed	<ul style="list-style-type: none"> All security hardware and software upgraded with 3 years licensing
Disaster recovery plan and backup	100%	Partially Achieved	<ul style="list-style-type: none"> Systems backup daily, weekly and monthly
ICT Inventory	100%	Completed	<ul style="list-style-type: none"> ICT Inventory updated every financial year

ANNEX 3: PROJECT MATRIX

Project 1 Name: Economy Wide Integration of Climate Change (EWACC) Project

Development Partner: GEF / UNDP

Total Funding: USD\$12.3 Million

Timeframe: 2015 - 2022

Responsible Division/Focal Point: GEF / Climate Change Division

% Delivery rate to date: 100%

Project Objective:

To establish an economy-wide approach to climate change adaptation and DRM in Samoa. This approach will support the integration and management of climate change adaptation and DRM within national development planning and programming frameworks, enhancing the resilience of Samoan communities to the expected effects of climate change such as climate -induced natural disaster

Progress:

- Project Extension from November 2021 to 06 May 2022
- The capacity of the GoS capacity to effectively coordinate cross-sectoral actions for climate change adaptation to reach Level 5: Fully developed capacity has been achieved;
- Climate change and disaster risk management have been incorporated into the existing Strategy for the Development of Samoa (SDS) 2016/17-2019/2020
- A total of 176 recipients in Upolu and Savaii attended training on how to set-up, manage and report on business progress. A wide range of Small Business established at the village-household level with more than 1,500 beneficiaries. The program empowered more female to develop a business improving their livelihood and generating income to cover essential basic needs (water, electricity etc) and pay for school fees.
- 50 villages successfully developed their Village Climate-Disaster Risk Management Plans will evolve over time as actual events and practice drills occur
- Hydrological Flood Modelling for Gasegase, Loimata o Apaula and Fuluasou Catchments completed
- River catchment clean up, dredging and deepening implemented in four phases for majority of the rivers within the Vasigano Catchment and flood plains, was observed to have assisted prevent flooding during heavy rain periods at the end of last year and the start of this year 2022.
- Drainage improvement construction by Ott Constructors for approx. 500lineal meter from the northern sea-side towards the south on Falealili X-Island road. Footpaths constructed on both road sides improved safety. Garbage bins and fence requested by local residents erected. Supervision of the construction by LVG Consult contractually engaged by LTA
- URBS (Unified River Basin Simulator) and TUFLOW Models with maps;
- Training Materials including Manuals to assist with the usage of the URBS hydrological model and TUFLOW hydraulic models provided for the flood studies;
- Climate Change Report Card and Cyclone Season ongoing monthly update

Project 2 Name: *Third National Communication Report and First Biennial Report (2020-2024)*

Development Partner: *GEF / UNDP*

Total Funding: *USDS\$1,002,000.00*

Timeframe: *2020-2024*

Responsible Division/Focal Point: *GEF / Climate Change Division*

% Delivery rate to date: *23%*

Project Objective:

The enabling activity aims to assist Samoa in meeting reporting requirements under the UNFCCC Convention in accordance with its commitments as a non-Annex 1 Party (as mandated by Article 4 and 12 of this Convention and COP 16 and 17 decisions), and to strengthen the technical and institutional capacity of Samoa to prepare and submit National Communications and Biennial Update Reports to the UNFCCC

To develop and update the following:

- National Circumstances
- Update National GHG Inventory
- Vulnerability & Adaptation Assessment
- Mitigation Action
- Development of 1st BUR
 - » Knowledge Management

Progress:

- GHG Database Methodology approved and currently undergoing designing and development. Contract will be re-advertised due to additional days require for completion of database.
- GHG Inventory Peer Review Workshop in March 2022
- Letter of Agreement for transfer of funds signed between MNRE, MOF and UNDP in April 2022.
- GHG Inventory draft report received in May 2022, currently under review. Internal review will be carried out in May.
- Gender Specialist now on board for development of Gender Analysis and Action Plan.

Project 3 Name: *Enhancing integrated sustainable management to safeguard Samoa's natural resources (GEF 7)*

Development Partner: *GEF / UNDP*

Total Funding: *USDS\$3,502,968*

Timeframe: *2022-2025*

Responsible Division/Focal Point: *GEF / Climate Change Division*

% Delivery rate to date: *0%*

Project Objective:

To equip and empower local communities to safeguard Samoa's indigenous species, natural ecosystems and food production systems from Invasive Alien Species and unsustainable practices.

Progress:

- The concept or the project identification form (PIF) was submitted after conducting 3 wider stakeholder consultations for the formulation of the concept.
- Project Proposal approved by GEF
- Development of the Project Preparation of the full project document
- Inception Workshop in February 2021
- Validation Workshop held in July 2021

Project 4 Name: Pacific Adaptation to Climate Change Resilience Building Project (PACRES)**Development Partner: EU/SPREP/PIFS/USP****Total Funding: USD\$****Timeframe: 2020-2022****Responsible Division/Focal Point: GEF & CC/WSCU/FRD****% Delivery rate to date:****Project Objective:**

PACRES aims to ensure better regional and national adaptation and mitigation responses to climate change challenges facing Pacific ACP countries. The PACRES Project aims to address climate challenges highlighted under the CIM Plans interventions in the forestry sector as well as providing opportunities to strengthen water security, and addressing ecosystem based adaptation measures within the areas of the project scope.

Progress:

- Implement activities identified in CIM Plans – water security by WSCU
- Ecosystem and Socio-economic Resilience Analysis Mapping (ESRAM) style assessment in Saleaula, Savaii - draft report in place
- National Parks Management Planning – Forestry Management Plan for Masamasa- Falelima National Park
- Capacity needs assessments – Taga & Matautu villages during community consultation in February 2020
- Training Opportunities – Practical farming methods, delivered through USP School of agriculture & Farming Techniques
- Mainstreaming CC & DRM into local development plans – Community Development Sector Plan 2016-2021

Project 5 Name: Improving Performance and Reliability of Renewable Energy Power Systems in Samoa (IMPRESS) Project**Development Partner: GEF/UNDP****Total Funding: USD\$6,076 Million****Timeframe: 2017 - 2022****Responsible Division/Focal Point: Renewable Energy Division****% Delivery rate to date: 75%****Project Objective:**

Improved sustainable and cost-effective utilization of indigenous renewable energy resources for energy production in Samoa

Progress:

- Official Launching of Papauta Biogas System (Feb 2022)
- Completion of RE Policy - Public Consultations for Upolu and Savaii (March 2022)
- Completion of Energy Audit Training Workshop for Tourism Sector (March 2022)
- Completion of Construction – STEC Biogas System (Jan 2022)
- Online and Face-to-Face Capacity Building Programs, Meetings and Workshops
- Introduction to Climate Finance Advisor [CFAN]- Samoa- 31st Jan 2022
- Access To Climate Finance and Nature-Based Solutions For Climate Change Adaptation (24th - 25th Feb 2022)
- Third National Communication [3NC- Project] Verification Workshop - 8th – 9th March 2022
- PAWES Project Introductory Meeting with MOF – 10th March 2022
- PAWES Virtual Inception Workshop – 30th March 2022

Project 6 Name: Integrated Flood Management to Enhance Climate Resilience for the Vaisigano River Catchment Output 2 Activity 2.2**Development Partner: GCF****Total Funding: USD\$8 Million****Timeframe: 2017 - 2023****Responsible Division/Focal Point: Environment Sector Coordination Division****% Delivery rate to date: 76.9%****Project Objectives:**

To implement ecosystem based responses upstream for decreased flows during extreme weather events

Progress:

Cash for Work Programme

- Ongoing recruitment of CfW staff to fill in 15 vacant positions from the 35 approved positions funded by GCF – 4 replacement workers recruited under FD from the Magiagi Village; 8 under the DEC and 3 under the WRD;
- Ongoing challenge with high staff turnover due to temporary migration under the Seasonal Workers Scheme;
- Land preparation, replanting, enrichment and restoration works continue at designated areas within the VCP, by the FD, DEC, and the WRD;
- Ongoing Nursery operations by the three divisions - collection of wildings, preparation & propagation of seedlings, and distribution for replanting;
- Relevant trainings have been conducted for all CfW staff to improve awareness of the programme and introduce relevant skills to support implementation of activities and ensure safety of the workers.

Ecosystem based Adaptation Enterprise Development Programme

Round 1:

- 182 confirmed projects for implementation from 195 originally approved. This include 2 EE projects that were previously identified for termination, but have decided to continue implementation following recent consultation with CSSP;
- 13 terminated projects valued at \$153,300 SAT to date;
- 70 projects completed as of to date, with overall disbursement at 80%, with 112 projects remain in progress;
- 14 out of the 70 completed projects have completed the End of Project Reviews (EOPRs);
- Conducted site visits for 60 completed projects (RD1) and confirmed 32 grantees eligible for business licenses based on project growth and progress;
- 14 out of 32 eligible grantees for business licenses attended the trainings held in December 2021;
- 21 business licenses were submitted to the Ministry of Customs and Revenue in January 2022 for processing;
- Ongoing training for all grantees under the EbAED program - include technical, financial, business operation and business nurturing programmes;

Round 2:

- 303 projects remain from 319 originally approved;
- Confirmed 20 cancelled projects with a total value of \$435,071 SAT;
- 299 confirmed projects remaining, valued at \$6,476,726.93 SAT;
- 188 funding agreements (FAs) counter-signed with implementation in progress, with 33 remaining FAs yet to be clear by Legal Team;
 - » Only 1 completed project to date, with the overall disbursement at 26%;
 - » Ongoing training by SBH with a total of 118 grantees attended technical training, 22 attended business nurtur-

Project 7 Name: Pacific Resilience Program (PRP)**Development Partner: World Bank****Total Funding: USD\$16,293,000 Million****Timeframe: 2016 - 2022****Responsible Division/Focal Point: Disaster Management Office (DMO)****Implementing Partners:****% Delivery rate to date: 56.55%****Project Objective:**

To strengthen early warning, resilient investments and financial protection of Samoa

Progress:

- Completed outstanding procurement of audio visual equipment and fire water tanks for NEOC building.
- Evaluation of Tender for Design of Seismic Operation Center (SOC) at Tuanaimato.
- Preparation for Tender for Design and Supervision for the construction of Vaigaga Primary School.
- Evaluation of Tender for ICT equipment for the NEOC building.
- Insurance premium cover for November 2021 - October 2022 paid for the Pacific Catastrophe Risk Insurance Company.

Project 8 Name: Japanese Technical Cooperation Project for Promotion of Regional Initiatives on Solid Waste Management in Pacific Island Countries (J-PRISM II)**Development Partner: Japan International Cooperation Agency (JICA)****Total Funding: Provision of capacity building initiatives (technical cooperation)****Timeframe: Ongoing****Implementing Focal Point: Division of Environment & Conservation****% Delivery rate to date: 80%****Project Objective:**

To improve solid waste management

Progress:

- Submitted proposal for the user pay system for waste collection service to the Revenue Board and awaiting response.
- Waste collection services monitoring system developed and implemented using the SkyEye GPS system.
- Proposing a workshop on Disaster Waste Management to be held virtually in 2021
- Proposing the Steering Committee meeting in 2021 to update on the implementation of the National Waste Management Strategy 2019-2023

Project 9 Name: *Ocean Acidification Project*

Development Partner: Korea Institute of Ocean Science and Technology (KIOST)

Total Funding: None controlled by Samoa

Timeframe: 5 years

Responsible Division/Focal Point: *Meteorology Division*

% Delivery rate to date: on-going

Project Objective:

To undertake urgent actions to protect coral reefs and other vulnerable marine ecosystems through the development and implementation of comprehensive and integrated approaches for the management and the enhancement of their resilience to withstand pressures, including from ocean acidification and invasive species, and by drawing on measures such as those identified in the Framework for Action 2013 of the International Coral Reef Initiative.

Progress:

- Most of the monitoring equipment are procured and have arrived in Samoa
- Payments are still in the process of transmission to the suppliers and because of COVID 19 installation will be done as soon as possible upon arrival of expert teams from Korea in 2022.

Project 10 Name: *Ozone Project - Protection of the Ozone Layer*

Development Partner: UN Environment Programme

Total Funding: USD\$99,850.00

Timeframe: 2019-2021

Responsible Division/Focal Point: *Meteorology Division*

% Delivery rate to date: 80%

Project Objective:

Phasing out of Ozone Depleting Substance in refrigeration and air conditioning

Progress:

Projects completed:

- Stage 1- Tranche 3 of the Hydrofluorocarbons Phase-out Management Plan (HPMP)
- Institutional Strengthening Project Phase X
- Enabling Activities for phasing down Hydrofluorocarbons under the Kigali Amendment

New Projects Approved by the Executive Committee of the Multilateral Fund

- Stage 2-Tranche 1 of the HPMP (Funding for local implementation- USD 63,000, Timeframe 2021-2024)
- Institutional Strengthening Project Phase XI (Funding: USD 85,000 for 2022 & 2023)

Activities implemented:

Obligations to the Multilateral Fund Secretariat

- Country Programme Report for 2021 finalized in April 2022 and submitted to MLF: Samoa's consumption of HCFCs for 2021 was verified to be 0.1224 Metric Tonnes, this reflects a decrease in consumption compared to the 0.7752MT consumption in 2020. Similarly HFC consumption also indicated a declining trend.
- Enforcement of the Ozone Layer Protection Regulations 2006 and the Meteorology, Geoscience and Ozone Act 2021
- Ongoing implementation of the licensing system for HCFCs and HFCs:
- 8 importing companies and 43 Refrigeration and Air Conditioning (RAC) technicians licensed
- Inspection of controlled substances carried out during November and December 2021 and February – March 2022
- 3 Assessment Panel meetings in 2021, 1 meeting in 2022

Stakeholders coordination

- Ongoing monitoring of energy efficient and environmentally friendly appliances in collaboration with the Energy Division, Customs Department and Ministry of Police and Prisons
- RACAS team building during Independence day 2021
- Establishment of the RAC Association branch in Savaii in April 2021
- Provide update on Ozone Services issues during RACAS Executive committee meetings and general meetings
- HPMP Stage 1 Tranche 3 Final Stakeholders Workshop, November 2021
 - Coordination with NUS and SQA on RAC trade qualification accreditation
 - Refrigerants Recovery operations ongoing ***Awareness & Capacity Building***

Project 11 Name: Enhancing the sustainable management and protection of Samoa's Protected Area Network "Biodiversity and Protected Areas management" (BIOPAMA)

Development Partner: IUCN

Total Funding: EUR\$99, 999

Timeframe: 2021 - 2022

Responsible Division/Focal Point: Division of Environment and Conservation

% Delivery rate to date: 0%

Project Objective

- Enhance the management and governance of priority protected areas by addressing existing limitations;
- Enforce the legal framework required to achieve effective biodiversity conservation in PAs;
- Support local communities' initiatives aiming to enhance the livelihoods of local people whilst effectively contributing to protected areas management.

Progress:

- Clearance of Grant Agreement from Legal for endorsement of IUCN and MNRE CEO
- Facilitate the procurement process for the marine research boat
- Submission of four quarterly progress reports to IUCN
- Completed the Bid Evaluation Report for the procurement of the marine survey boat and submission to the Tenders Board with recommendations to re-advertise.
- Funding Agreement amended and signed for no cost extension until November 2022
- Re-advertisement of Tender for the procurement of boat closed.
- Completed procurement of tools/equipment and materials for maintenance of nature reserves Protected Areas
- Signage - initial design including relevant text for "stop littering" signs for nature reserves were developed.

Project 12 Name: Global Climate Change Alliance (GCCA+) initiative for climate adaptation and resilience building in Samoa - Marine Spatial Planning (MSP)

Development Partner: IUCN & SUNGO

Total Funding: TBC

Timeframe: 2019 - 2022

Responsible Division/Focal Point: Division of Environment and Conservation

% Delivery rate to date: xx% (TBC)

Project Objectives

- Promote the sustainable use of Samoa's marine resources while increasing climate resilience of its local communities
- To support ecosystem-based adaptation (EbA) at local and central level by implementing a marine spatial planning (MSP) in Samoa and strengthening community engagement in climate action.

Progress

- Conducted the National Bioregion workshop
- Completed stakeholders review of the consultation and communication framework for MSP
- Completed 2 Pilot consultations in Upolu and Savaii
- Conducted 41 community consultations, covering 17 coastal villages within 52 political districts in Upolu, Savaii, Manono and Apolima over the course of about 3 months (August - November 2021)
- Completed reviews and finalisation of the Marine Bioregion of Samoa report and was launched during the National Environment Week 2021
- Materials launched during the National Environment Week 2021:
 - (i) Marine Bioregion of Samoa report
 - (ii) Marine bioregional of Samoa's infographic
 - (iii) Biophysically special, unique marine areas of Samoa infographic
 - (iv) Ocean Planning in Samoa Infographic

Project 13 Name: National Emergency Management Agency (NEMA)

Development Partner: New Zealand

Total Funding: TBC

Timeframe: 2021 - 2024

Responsible Division/Focal Point: Disaster Management Office

% Delivery rate to date: xx% (TBC)

Project Outputs:

- Disaster Awareness
- Community Disaster Response Planning
- National DRM Framework (TA Review)
- DRM Capacity Building and Training

Progress

- MOU/Agreement progressing - MNRE & MOF to sign

Project 14 Name: Pacific Islands Emergency Management Alliance (PIEMA)

Development Partner: TBC

Total Funding: TBC

Timeframe: 2021 - 2025

Responsible Division/Focal Point: Disaster Management Office

% Delivery rate to date: xx% (TBC)

Progress

- Strategic Roadmap for Emergency Management (SREM) Workshop conducted.
- Report and SREM drafting in progress
- Mobile EOC
- Reviews
- Trainings

Table 25: Project Matrix

ANNEX 4: LEGISLATIONS & POLICY MANDATES

Table 26: Legislations & Policy Mandates

LEGISLATION	NATIONAL POLICY	SUBSIDIARY LEGISLATION (REGULATIONS/BY-LAWS/ORDERS)
Stevenson Memorial Reserve and Mount Vaea Scenic Reserve Ordinance 1958	Cultural & Natural Heritage & Conservation Policy 2000	Waste Management (Importation of Waste for Electricity and Energy Recovery) Regulations 2015
Taking of Land Act 1964	Integration of Climate Change Risk and Resilience into Forestry Management (ICCRIFS) 2011-2015	Waste (Plastic Bags) Management Regulations 2018 (+ 2020 Amendment)
Leasing and Licensing of Customary Land Act 1965	National Chemical & Hazardous Waste Management Policy 2012	Forestry Management Act 2011 - Order for Fees 2013
Land Titles Investigation Act 1966	National Drought Policy (Tendered Documents-Yet to be finalized)	Land Titles Registration Act 2008 - Order Notice of Fees 2009
Alienation of Freehold Land Act 1972	National Forestry Policy 2007	Land Titles Registration Regulations 2010
National Parks and Reserves Act 1974	National Invasive Species Action Plan	Marine Wildlife Protection Regulations 2009 (+ Amendments)
Land Surveys and Environment Act 1989	National Policy for Licensing Surveyors 1999	Ozone Layer Protection Regulations 2006
Samoa Trust Estates Corporation Reconstruction Act 1990	National Sanitation Policy 2009	Protection of Wildlife Regulations 2004
Land for Foreign Purposes Act 1993	National Sanitation Policy 2010	Water Resource Licensing Regulation 2013
Disaster and Emergency Management Act 2007	National Urban Policy 2013	Survey Regulations 2011
Land Titles Registration Act 2008	National Waste Management Policy 2001	Unit Titles Regulations 2014
Water Resources Management Act 2008	National Water Resource Management Policy 2010	Water Resources Management Regulation 2013
Unit Titles Act 2009	National Water Services Policy 2010	Water Resources Management Amendment Regulations 2020
Land Valuation Act 2010	National WRM Policy 2009	Marine Protected Areas (MPA) By-Laws 2007
Waste Management Act 2010	Renewable Energy and Energy Efficiency Policy Framework 2016	Survey Regulations 2011
Spatial Information Agency Act 2010	The National Upland Watershed Conservation Policy (NUWCP) 2015.	Water Resource Licensing Regulation 2013

Survey Act 2010	Water Allocation Policy 2013	Piu/Sapunaoa Water Resources By-Laws 2020
Forestry Management Act 2011	Water for Life: Water & Sanitation Sector Plan for 2012-2016	Safua Water Resources By-Laws 2020
Customary Land Advisory Commission Act 2013	National Implementation Plan for Persistent Organic Pollutants (to be reviewed)	Tapueleele Water Resources By-Laws 2020
	National Biodiversity Strategy and Action Plan 2015 - 2020	Tafitoala Water Resources By-Laws 2020
	National Disaster Management Plan 2017 - 2020	Palauli Water Resources By-Laws 2020
		Gasegase Water Resources By-Laws 2020
		Aufaga Water Resources By-Laws 2020
		Faleaseela Water Resources By-Laws 2020
		Fulusou Water Resources By-Laws 2020
		Vailoa Palauli Water Resources By-Laws 2020



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and Environment,
Government of Samoa.
Apia, Samoa.