



MINISTRY OF FISHERIES

ANNUAL REPORT

FINANCIAL YEAR

2019/20



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Chapter 2 : List of Abbreviations and Acronyms

| | |
|---------|---|
| ACIAR | Australian Centre for International Agricultural Research |
| ACP | African, Caribbean and Pacific Group |
| ADB | Asian Development Bank |
| AMP | Annual Management Plan |
| ANCORS | Australian National Centre for Ocean Resources and Security |
| AR | Annual Report |
| CP | Corporate Plan |
| CEO | Chief Executive Officer |
| CFEC | Certificate in Fisheries Enforcement and Compliance |
| CITES | Convention on International Trade in Endangered Species |
| CSU | Central Service Unit |
| DPD | Detailed Project Description |
| EEZ | Exclusive Economic Zone |
| EFY | End of Financial Year |
| ESMF | Environment Social Management Framework |
| FAD | Fishing Aggregate Device |
| FAO | Food Agriculture Organization of the United Nations |
| FCD | Fisheries Compliance Division |
| FFA | Forum Fisheries Agencies |
| FFC | Forum Fisheries Committee |
| FFC MIN | Forum Fisheries Committee Ministerial |
| FLOW | Fisheries Licensing Officer Workshop |
| FY | Financial Year |
| GDP | Gross Domestic Product |
| GPA | Government's Priority Agenda |
| HMAF | His Majesty Army Force |
| ICT | Information Communication Technology |
| IP | Internal Policy |
| IMO | International Maritime Organization |
| IUU | Illegal, Unregulated and Unreported (fishing) |
| KPI | Key Performance Indicator |
| LAN | Local Area Network |
| MC | Ministerial Conference |
| MCS | Monitoring Control Surveillance |
| MSC | Master Stewardship Certificate |
| MDA | Ministries, Departments and Agencies |
| MOF | Ministry of Finance |
| MoF | Ministry of Fisheries |
| NFOSC | National Fisheries Officer Surveillance Course |
| NPOA | National Plan of Action |
| NTSA | Niue Treaty Subsidiary Agreement |
| NIWA | National Institute of Water and Atmospheric |
| NICT | National Information and Communication Technology |
| NZ | New Zealand |
| OPM | Observer Program Management |
| PC | Pacific Community (formerly Secretariat of the Pacific Community (SPC)) |

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| PSC | Public Service Commission |
| PMS | Performance Management System |
| PNA | Parties to Niue Agreement |
| POI | Person of Interest |
| POM | Project Operations Manual |
| PMU | Project Management Unit |
| PROP | Pacific Regional Oceanscape Programme |
| PSMA | Port State Measures Agreement |
| PMSP | Pacific Maritime Security Program |
| QGIS | Quantum Geographic Information System |
| RIMSW | Regional Management System Workshop |
| ROCW | Regional Observer Coordinator Workshop |
| SAW | Stock Assessment Workshop |
| SDG | Sustainable Development Goal (United Nations) |
| SIDS | Small Island development State |
| SMA | Special Management Area |
| SOP | Standard OF Procedures |
| SPC | Secretariat of the Pacific Community |
| TC | Tropical Cyclone |
| TCC | Tonga Communication Corporation |
| TDW | Tuna Data Workshop |
| TFSP | Tonga Fisheries Sector Plan |
| TSDF II | Tonga Strategic Development Framework |
| TPFES | Tonga Passenger Food Export System |
| TOR | Term of Reference |
| UN | United Nations |
| UNCLOS | United Nations Convention on the Law of the Sea |
| UNDESA | United Nations Department of Economic and Social Affairs |
| WCPFC | Western and Central Pacific Fisheries Commission |
| WB | World Bank |
| WTO | world Trade Organisation |
| VMS | Vessel Monitoring System |

Chapter 3 : Foreword from the Honourable Minister for Fisheries



I am pleased to present my first Annual Report for the Ministry of Fisheries for the Financial Year 2019/20 as the new Minister for Fisheries after the governance reform on mid-2019. This annual report provides an overview of the Ministry's achievements, outputs and challenges encountered during the year.

One of the highlights of the year was the Ministry's participation in the Royal Agricultural & Fisheries Show at the beginning of the FY 2019/20, which is a national event that takes place on annual basis, and it coincides with the celebration of His Majesty King Tupou VI's Birthday. The 2019 Royal Agriculture & Fisheries Show commenced in Tongatapu towards the end of June then moved on to Ha'apai, Vava'u, Niuafo'ou, Niuatoputapu and ended in 'Eua on early August 2019.

The approval by the World Bank and the implementation of the project titled, "Halafononga ki ha Ngatai Tu'uloa" in Tongan, and known in English, as "Pathway to Sustainable Oceans (TongaFish Pathway)" in 2019 with a total cost of USD \$10 million for 6 years was a great achievement of the Ministry of Fisheries. The recruitment of the Project Management Unit become a Division of the Ministry and implemented some of the project activities was a milestone

One of the highlights for the FY 2019/20 was the ratification of the FAO Port State Measure Agreement (PSMA) by the Privy Council in December 2019. This is a milestone for the fisheries sector in fighting against Illegal, Unreported and Unregulated (IUU) fishing.

I would like to thank the Public Service Commission for the re-appointment of Dr. Tu'ikolongahau Halafihi, as the Chief Executive Officer (CEO) for the Ministry of Fisheries with effect from, 18 June, 2020 for a period of four (4) years. Dr Halafihi has the responsibility of implementing government policies and decisions, managing the administrative, operational and broader functions and activities of the Ministry to continually improve the effectiveness and efficiency of service delivery outcomes of the Ministry. I also acknowledge the effective leadership of the Chief Executive Officer of the Ministry of Fisheries Dr. Tu'ikolongahau Halafihi and the technical support provided by the Fisheries staff.

One of the most challenges in FY 2019/20 is the COVID-19 pandemic, affecting the fisheries sector, fishing businesses and the economy of the country. Since the development of the pandemic at the beginning of 2020, all regional and international fisheries meetings scheduled for FY 2019/20 were conducted on video conference using ZOOM platform due to close down of borders.

Climate Change was also another major challenge faced by fisheries sectors, especially in the Small Islands Developing Countries, including Tonga. For instance, the Tropical Cyclone Harold that visited Tonga in April, 2020, badly damaged the fisheries sector especially in 'Eua and Tongatapu with an estimated value of \$1.8 million Pa'anga.

The impacts of human activities and unsustainable harvesting of marine resources are also big challenges faced by the Ministry of Fisheries every day. Therefore, the responsibility of the Ministry and all stakeholders in the fisheries sector is to work together in the management of concerned human activities to ensure the existence of sustainable fisheries to support the nation's prosperity.

The on-going supports of development partners, regional and international fisheries organisations and agencies, in terms of providing financial and technical assistance to the Ministry of Fisheries, have met the urgent development needs of fisheries sector and contribute productively towards the advancement of the development of sustainable fisheries in Tonga.

I place particular value on the Special Management Area (SMA) Program for the coastal communities, as the number of SMAs to be established will continue to increase in future years. This will empower coastal communities to have ownership and capacity to effectively engage in sustainable development and community-based fisheries management of coastal fisheries resources and marine environment.

Malo 'aupito,


Lord Tu'ilakepa
Minister for Fisheries



Chapter 4 : Preface



This Annual Report for Financial Year 2019/20 presents the actual outputs achieved by the Ministry of Fisheries based on the Ministry's Corporate Plan 2019/20– 2021/22 with indicators that can be used to measure and report on our progress.

During the financial year (FY) 2019/20 the Ministry of Fisheries experienced a great number of challenges and the impacts of climate change. Despite the challenges, including technical and financial resource limitations, the Ministry delivered on its mandate and achieved the goals of the 2019/20 Corporate Plan.

The key focuses of this financial year included the implementation of the Tonga Fisheries Sector Plan (TFSP) and preparation of the Halafononga ki ha Ngatai Tu'ulua project. Under the TFSP, the Ministry focused on implementing the Special Management Areas (SMA) with 13 newly established SMAs in this financial year. This included the expansion of mabe pearl farming from 21 to 29 farms in this period.

The Ministry held its fourth year of implementing the Performance Management System (PMS). There were 69 staff out of 73 who were eligible for reward under the end of the year PMS. The Ministry also received first prizes in six out of 12 categories and second in one category at the End of the Year (EFY) PMS awarded.

The Ministry's budget increased from \$4.2 million in 2018/2019 to \$4.5 million in 2019/20 and the actual spending was \$3.625 million. Revenue target for 2019/2020 was \$3.3 million and the Ministry collected \$3.5 million.

Tonga still relies on wild fisheries stocks for food and income. The three-main export marine products from Tonga are tuna, deep-water snapper, and aquarium species.

The total marine product exported (not including aquarium products), during the period FY 2019/20 was 2,015 metric tons compared to 1,788 metric tons in 2018/19. This is a 13% increase from the total marine products exported in the last financial year which was predominantly due to substantial increase of tuna. The total FOB value for all fish exported in this financial year were valued at TOP\$10.97 million which is a 16% increase from the value of fish exported in the last financial year.

A total of 1,787 metric tons of tuna were exported in this financial year which is a 12% increase from the last financial year. Tuna was the main contributor to the total amounts of marine products exported, making up 91%. The total tuna exported within this period was valued at approximately TOP\$9.6 million, which is a 9% increase from the previous period.

The total aquarium products exported in this FY 2019/20 was 157,551 pieces, and was valued at approximately TOP\$0.97 million. This was a 39% decrease in quantities and associated with 19% decrease in FOB value from aquarium exports in the previous financial year. The aquarium export was dominated by low value invertebrates in terms on quantity as can be seen in figure 3. The main market for exported aquarium products is the United States.

A total of 57 metric tons of snapper were exported in this financial year, which is a decrease by 22% from the last financial year, contributing 4% to the total quantity of marine products exported. It was valued at approximately TOP\$0.4 million which is a decrease by 17% from the last financial year. The export of snapper was dominated by flame snapper (P. Tavake). The decline in the export of snapper was due to COVID 19 and the last export was in early March before the close down of borders. This fishery is currently affected by the impacts of COVID 19.

Due to the decline in wild fisheries stocks from various reasons, including climate change and overfishing, the Ministry has made new initiatives to ensure productions from the fisheries sector meet the demand of the country for food and income. The Ministry managed to deploy fishing aggregating devices (FAD) around Tongan waters to increase production for artisanal fisheries. Aquaculture has been promoted by successful spawning of sea cucumber since December 2018.

Another priority initiative was the implementation of the COVID-19 Emergency Response Plan for the Ministry since March 2020 through selling of fish at affordable prices for the public. This initiative was intended to support food security during the duration of the crisis and also to support fishermen. This program has been implemented in Tongatapu and the outer Islands. The total of fish sells in response to covid-19 plan and NCD program was 106.72 metric tons.

Squid fishery has been trialled in the Tongan waters in 2018 and 2019 and it was very successful. However, the only available landing data for this fishery was recorded in July 2019 and no squid fishing conducted from January to June 2020. This is due to lack of fishing gears available for this fishery, including low value of the squid products at overseas markets.

It is my sincere hope that the implementation of the Tonga Fisheries Sector Plan and Corporate Plan for this financial year effectively contributed to the overall development of Tonga.

Last but not the least, I would like to acknowledge the effective support and cooperation provided by the Ministry's staff which greatly contributed to the achievements of the Ministry of Fisheries in FY 2019/20.

Malo 'aupito,



Dr. Tu'ikolongahau Halafihi
Chief Executive Officer for Ministry of Fisheries



Executive Summary of the Ministry of Fisheries overall performance

| Output | Major Reform Activities | Summary Highlights |
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| Output 1: Better leadership for the Ministry of Fisheries, including at national, regional, and international levels. | <ul style="list-style-type: none"> ➤ Corporate Plan and Budget submission ➤ Annual report 2018-2019 submission ➤ 6 African, Caribbean and Pacific (ACP) Group Ministerial Meeting-Sept 2019 ➤ Forum Fisheries Agency (FFA) Annual Management Option Consultation Meeting- 16 Oct to 2 Nov 2019 ➤ 16th Annual Meeting of the Tuna Commission (WCPFC) 5 – 11 Dec 2019 ➤ The 13th meeting of the Joint committee on the management and operation | <ul style="list-style-type: none"> ➤ Corporate Plan and Budget for FY2020/21 were submitted on 31st January 2020 ➤ Annual report for FY2018/19 submitted according to deadline, 23rd October, 2019 ➤ The 2019 State of Play Review of the ACP Strategic Plan of Action - Tonga presented its completed activities in this Action Plan, including number of established SMAs, aquaculture development and strategies to fight IUU fishing ➤ Development of the FFA proposals with its priorities to the Annual Meeting of the Tuna Commission in December, 2019. Tonga's priorities were included. ➤ Adoption of the FFA proposals such as – Resolution for Climate Change, Revise measure on compliance monitoring system, roadmap and workplan for the south pacific albacore, high seas limitation and allocations, and clear process on electronic monitoring ➤ Available funds from the Japanese Government to the FFA members – Tonga is one of the beneficiaries from this funding |

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| | <p>of the Japan Promotion fund (JPF) (Virtual Conference 19 – 21 February, 2020)</p> <ul style="list-style-type: none"> ➤ 2020 Annual Consultation Parties to the US Treaty on Fisheries, 22-23 April 2020 ➤ South Pacific Group (SPG) Meeting-Exploratory Pool (Virtual conference 28th April 2020) ➤ SPC 12th Heads of Fisheries (Virtual conference 12th – 14th May 2020) ➤ Forum Fisheries Committee (FFC) 114 (Virtual conference 5th -19th June 2020) | <ul style="list-style-type: none"> ➤ US Treaty Arrangement for 2021 – 2222. <i>Upfront Days and Price for 2021 and 2022</i> ➤ Strategies to make the Exploratory Pool of the US Treaty to be more attractive to the US fishing purse seine fishing vessels to fish in our seas ➤ Development of Coastal Fisheries and address the impacts of COVID 19 pandemic ➤ Impact of COVID 19 pandemic Revised Regional Longline Strategy Action Plan |
| <p>Output 2: Better leadership and management of Ministry's divisions, with good working relations and communications, and a focus on output deadlines.</p> | <ul style="list-style-type: none"> ➤ Head of division meetings held quarterly with Minister. ➤ CEO approved the Ministry's final Corporate Plan, Budget and Annual Procurement Plan for FY2020/21. ➤ CEO endorse the Ministry's revised Corporate Plan, Annual Procurement Plan | <ul style="list-style-type: none"> ➤ 4 x Head of Division meetings were conducted quarterly during the financial ➤ Submission of the Ministry's final CP, Budget and APP to PMO/LA on the 15th April 2020. ➤ Submission of revised CP and APP against the approved Budget 31st July 2020. |

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| | <ul style="list-style-type: none"> ➤ CEO approved the submission of final Annual Management Plan (AMP), Annual Cash Flow forecast, training plan, performance management system (PMS), job description review, annual report (AR) ➤ Six-monthly activity reports to PSC. ➤ Annual report on implementation of TFSP | <ul style="list-style-type: none"> ➤ Submission of AMP, Annual cash flow to PMO/MOF on the 31st July 2020, training plan to PSC on the 02nd August 2019, PMS EFY FY2018/19 to PSC 22nd August 2019 and MYR FY2019/20 on the 31st January 2020, Annual Report for FY2018/19 to Cabinet 30 September 2019 and to LA on the 23rd October 2019. ➤ Two Six-monthly reports submitted according to deadline (July 2019 and January 2020) ➤ Annual Report for the Implementation of the TFSP completed |
| Output 3: Improved legal services | <ul style="list-style-type: none"> ➤ Gazette of Fisheries (Coastal Communities) (Amendment) Regulations 2020 ➤ Aquaculture Management Regulations ➤ Fisheries (Fishing Vessels) Licensing Regulations 2020 ➤ Ratification of the Agreement on Port State Measures and Unregulated Fishing (PSMA) ➤ Memorandum of Understanding between the Government of Tonga and | <ul style="list-style-type: none"> ➤ Gazettal the Fisheries (Coastal Communities) (Amendment) Regulations 2020 on 21st February 2020 (Gaz 8/2020) which adds five (5) new Special Management Areas. ➤ Approved by Cabinet in June 2020 to be submitted to Crown Law for gazettal ➤ Approved by Cabinet in June 2020 to be submitted to Crown Law for gazettal ➤ His Majesty in Privy Council approved (12 December 2019) the ratification of the Agreement on Port State Measures and Unregulated Fishing (PSMA) ➤ Cabinet approved the Memorandum of Understanding (MOU) on 7th February 2020 (CD102/2020) between the Government of Tonga and the Pacific islands Forum |

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| | <p>the Pacific islands Forum Fisheries Agency on the FFA Aerial Surveillance Programme</p> <ul style="list-style-type: none"> ➤ Legal trainings with staff and coastal communities | <p>Fisheries Agency on the FFA Aerial Surveillance Programme</p> <ul style="list-style-type: none"> ➤ Provide training for staff on legal framework for fisheries in general. Legal framework for SMA |
| Output 4: Improved media and communications | <ul style="list-style-type: none"> ➤ Media Releases ➤ Quarterly consultation meetings with stakeholder groups | <ul style="list-style-type: none"> ➤ Commencement of Facebook platform for press releases ➤ Engage more in Community outreach and Educational Program |
| Output 5: Improved administrative and human resources support for all ministry staff. | <ul style="list-style-type: none"> ➤ Annual JD review ➤ Recruitment/promotions ➤ Project Management Unit (PMU) | <ul style="list-style-type: none"> ➤ Staff JDs reviewed and completed for PMS assessment FY 2019/20 in October 2019. ➤ During the FY 2019/20 we had 77 staff (35 females, 42 males) including 2 new staff recruited by the ministry, 2 staff who got promoted to new positions, 2 staff promoted and transferred to other ministries and 1 staff who got resigned. ➤ 9 vacant positions available during this FY (All of the recruitments freeze, waiting for the final decision from PSC and Finance regarding the vetting process) ➤ The project management unit recruited 1 new staff to their core team. The Project Coordinator resigned on 22nd December 2019 and 1 staff promoted to Project coordinator. |
| Output 6: Increasingly effective training and capacity development for | <ul style="list-style-type: none"> ➤ Staff Trainings | <ul style="list-style-type: none"> ➤ 2 x Internal induction trainings conducted for newly appointed staff. |

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| ministry staff. | | <ul style="list-style-type: none"> ➤ Completed conducted of internal trainings for fisheries staff in various areas like PMS, Policy, compliance, scientific fisheries and extension. ➤ 49 overseas training events and 66 national training events were conducted and attended by Fisheries staff ➤ Due to covid-19 pandemic some of the overseas meetings and trainings were conducted through virtual conference. |
| Output 7: Constantly improving budget, planning and reporting activities for the ministry's activities. | <ul style="list-style-type: none"> ➤ Internal Policy (IP) ➤ CP, AMP, Budget ➤ Annual Report ➤ Performance Management System (PMS) | <ul style="list-style-type: none"> ➤ 4 x Internal policies approved (4 x English & 4 x Tongan version) ➤ Submission of final CP and Budget in both language (English/Tongan) to Ministry of Finance, Prime Minister's Office (Planning Section) and Legislative Assembly in accordance with the deadline 15th April 2019 ➤ Completed the compiling of MoF Annual Report FY2018/19 and submitted to CEO, Minister, Cabinet and Legislative Assembly after approved from Cabinet. ➤ The Ministry submitted its Performance Management System (PMS) assessment for the End of Financial Year 2018/19 in 22nd August 2019 and Mid-Year Review for FY2019/20 on 21st January 2020. |
| Output 8: Better financial, procurement and asset management services compliant with government standards. | <ul style="list-style-type: none"> ➤ Budget – expenditure ➤ Revenue ➤ Asset | <ul style="list-style-type: none"> ➤ Budget approved \$4.5 million, actual spending \$3.6 million. ➤ Targeted revenue \$3.3 million, actual revenue collected \$3.5 million ➤ Annual asset report submitted to Ministry of Finance in |

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| | <ul style="list-style-type: none"> ➤ Procurement | <p>31st July 2019.</p> <ul style="list-style-type: none"> ➤ 100% compliance with procurement policy as reported from the Procurement Division of the MOF. ➤ 6 x procurement plan proposed and only 4 x procurement proposals approved and completed. |
| Output 9: Maintain information and communications technology to support effective ministry operations. | <ul style="list-style-type: none"> ➤ Databases ➤ E-government | <ul style="list-style-type: none"> ➤ 99.99% availability and access of staffs to the Local Area Network and communications. ➤ Monitored of 15 national and 2 regional databases. ➤ Completed of migration of the Ministry's communication to E-government network. Outer islands connection completed via NICT and TCC network. |
| Output 10: Higher standard of fisheries management and development planning and policy, to support sustainable fishery resources, and profitable industries. | <ul style="list-style-type: none"> ➤ Management Plan ➤ Fisheries Policies | <ul style="list-style-type: none"> ➤ Tonga National Sea Cucumber Management and Development Plan 2020 ➤ Deepwater Fisheries Management and Development Plan 2020 – 2025 ➤ Marine Aquarium Management and Development Plan 2020 – 2025 ➤ National Plan of Action for shark 2018 - 2022 (Currently implemented) ➤ Tuna Management and Development Plan 2018 – 2022 ➤ Aquaculture Management and Development Plan 2018 – 2020 |
| Output 11: Improving market knowledge to support marketing, and | <ul style="list-style-type: none"> ➤ National Market Survey | <ul style="list-style-type: none"> ➤ Market survey conducted once every week in local fish market including outer islands (Vava'u & Ha'apai). The |

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| export of fisheries products. | | <p>total marine resources were recorded during this FY was 94 metric tons with an approximated valued of TOP\$0.84 million.</p> <ul style="list-style-type: none"> ➤ Domestic market price of fish report included in the quarterly report every quarter <ul style="list-style-type: none"> - 4 market price reports produced and 2 market research reports produced ➤ 100% MoF continue on implementing the project to address NCD in Tonga and response to covid-19 plan. |
| Output 12: Improving quality and accuracy of economics reports and fisheries statistics to support decision making. | <ul style="list-style-type: none"> ➤ Export ➤ Economic analysis ➤ Statistical data | <ul style="list-style-type: none"> ➤ The total value of marine export exported including aquarium products during this financial year was estimated at TOP\$11.47 million. The total quantity of marine exported (not included aquarium products) was 2,015 metric tons during this period. ➤ The total of 1,787 metric tons of tuna was exported in this FY with a valued of TOP\$9.6 million. ➤ The total of 57 metric tons of deep-water fishery (snapper) exported during this FY with a valued of TOP\$0.4 million. ➤ Analysis on the tuna fishery completed and reported submitted to HOD. ➤ Data analysis is provided to line ministries as well as other stakeholders with the approval of CEO ➤ Statistical data are updated and reports are provided upon requests and in a timely manner <ul style="list-style-type: none"> - One outstanding quarterly bulletin from FY |

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| Output 13: Increasingly targeted and focused aquaculture research and development that meets the needs of emerging industries. | ➤ Aquaculture research and development | <ul style="list-style-type: none"> ➤ 29 x Pearl farmers were provided with pearl oyster spats (25 Vava'u, 4 Ha'apai) ➤ 11 x Special Management Areas communities provided with juvenile giant clams (6 x Ha'apai, 5 x Vava'u) ➤ 1 x Sea cucumber farm (Tongatapu) ➤ 3 x new species trials conducted during this FY (sea cucumber, sea urchin and arch shell (kaloa'a). |
| Output 14: Expanding Special Management Area (SMA) program implementation for coastal communities. | ➤ Special Management Area (SMA) | <ul style="list-style-type: none"> ➤ 5 x new SMA gazetted; 10 x SMA plan completed. ➤ 13 x New SMAs (3 x Tongatapu (Kanokupolu, Manuka, Nukunuku), 2 x Vava'u (Makave & Nuapapu), 8 x Ha'apai (Mo'unga'one, Muiroa, Pukotala, 'Uiha, Lofanga, Faleloa, Fakakai & Ha'ano)). ➤ Quarterly Monitored of 8 x existing SMA in Tongatapu. ➤ Re-deployment of boundary markers for SMA Communities in Vava'u (Koloa & Holeva) ➤ Deployment of activities for 2 x new SMA communities in Vava'u (Holeva & Kapa) ➤ 18 x signboards Installed (4 x 'Eua, 9 x Vava'u & 5 x Tongatapu) |
| Output 15: Higher standards of training, capacity development, outer island extension and support services, for SMA communities, aquaculture operators, and commercial fishers. | ➤ Stakeholders capacity building | <ul style="list-style-type: none"> ➤ 105 x Annual Trainings and capacity development for SMA communities, aquaculture operators and commercial fishers (68 x Tongatapu, 7 x Ha'apai, 3 x 'Eua and 25 x Vava'u, 2 x Niuatoputapu). ➤ 433 x Training capacity development and extension |

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| | | service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) (76 x Tongatapu, 98 x Vava'u, 193 x Ha'apai, 34 x 'Eua, 23 x Niuatoputapu, 9 x Niuafo'ou) |
| Output 16: Increasingly focused offshore and inshore fishery resource research, monitoring, and assessment to support decision making. | <ul style="list-style-type: none"> ➤ Offshore and Inshore fishery resource research, monitoring and assessment ➤ Scientific Report | <ul style="list-style-type: none"> ➤ 3 x Inshore baseline survey conducted at Vava'u (Tefisi, 'Olo'ua & Taoa), 7 x Ha'apai (Fakakakai, Pukotala, Ha'ano, Muihoa, Mo'unga'one, Lofanga & 'Uiha), 2 x Tongatapu (Kanokupolu & 'Ahu). ➤ Socio-economic survey for Kanokupolu and 'Ahu, 2 x Sea cucumber baseline survey at Polo'a. Depletion method survey for Polo'a aquaculture area. ➤ 4 x Offshore assessment for tuna, snapper, squid, artisanal. ➤ 4 x Inshore Scientific reports completed and submitted <ul style="list-style-type: none"> - Baseline survey report for all SMA's - Sea Cucumber farm monitoring survey report - Sea cucumber depletion method report - Data and graphics for SMA Catch Data ➤ 6 x Offshore Scientific report completed and submitted <ul style="list-style-type: none"> - 4 x Annual and Quarterly reports of stock status Tuna, Snapper, Artisanal assessment and squid fishery. - Annual report submitted to regional and international bodies in accordance with deadlines (Part 1 report and Catch estimates to WCPFC and SPC) |

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| <p>Output 17: More effective compliance and licensing services with effective regulatory programs that deter illegal fishing.</p> | <ul style="list-style-type: none"> ➤ Compliance and licensing services | <ul style="list-style-type: none"> ➤ 10 x MCS policies and SOPs revised and approved. ➤ 209 x Patrols, boarding, inspections and enforcement conducted in accordance with SOPs. ➤ 80 x fishing licences (commercial fishing, aquaculture, game fishing, exports and fish fence) issued. ➤ 100% of processing the certificates and permits for exports, exemption duties and Tong Passenger Food Export System at the airport. ➤ Implemented of Port State Measures Agreement and other treaties and conventions (e.g. NTSA, CITES). |
| <p>Output 18: Increasingly targeted compliance programs for international and domestic fishing activity to deter illegal fishing.</p> | <ul style="list-style-type: none"> ➤ Surveillance programs to deter illegal fishing. | <ul style="list-style-type: none"> ➤ More than 90% observer's coverage on Foreign Fishing Vessels achieved ➤ 12% of observer coverage on Local Fishing Vessels. ➤ More certified Observers debriefers trained ➤ On-going deployed of observers onboard US Treaty and Cook Islands vessels. ➤ On-going VMS snap shots on each licensed fishing vessels. |
| <p>Output 19: Implementation of the Tonga Fisheries Sector Plan (TFSP), including effective governance of the World Bank funded Tongafish Pathway project.</p> | <ul style="list-style-type: none"> ➤ Tonga Fisheries Sector Plan (TFSP) projects oversight and management ➤ Annual report | <ul style="list-style-type: none"> ➤ Implementation of the project “Halafononga ki ha Ngatai Tu’ulua” in Tongan, and known in English, as “Pathway to Sustainable Oceans (TongaFish Pathway)” in 2019 with a total cost of USD \$10 million for 6 years. ➤ Ongoing PROP operation manual, procurement plan and Budget completed. |

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| | | <ul style="list-style-type: none">➤ Revised templates to be used by all IDA 18 Projects and to be due in October 2020. |
|--|--|--|

1. Overview of the Ministry of Fisheries

1.1 Introduction

This financial year 2019/20 marked the fourth year re-instate of the Ministry of Fisheries as a stand-alone government agency. Due to the Government reform on mid-2019, Lord Tu'ilakepa was appointed as the new Minister for the Ministry vice former Minister Semisi Taelangi Fakahau. The PSC Commission re-appointed Dr. Tu'ikolongahau Halafihi as the Chief Executive Officer (CEO) for the Ministry for the period of 4 years with effect from 18th June 2020.

The planned national impact of the TSDF is a *“progressive Tonga supporting a higher quality of life for all”* which is supported by the whole of government.

The TSDF describes both national and organisational outcomes for the whole public sector. Those that are applicable to the Ministry of Fisheries are:

1.1.1 TSDF National Outcomes

- A: A more inclusive, sustainable and dynamic, knowledge-based economy.
- D: More inclusive, sustainable and responsive good governance with strengthened rule of law.
- F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk.

1.1.2 TSDF Organisational Outcomes

Pillar 1. Economic Institutions:

- **Organisational Outcome 1.2:** Closer, more effective public/private partnerships with business, consumers and other community groups across the Kingdom to help better identify and address constraints to more inclusive, sustainable and resilient economic growth

Pillar 3. Political Institutions

- **Organisational Outcome 3.1:** More efficient, effective, affordable, honest and transparent public service with a clear focus on priority needs

Pillar 5. National Resources and Environment Inputs:

- **Organisational Outcome 5.2:** More equitable, inclusive, sustainable and appropriate management of the use of renewable and non-renewable natural resources to maintain a steady long-term flow of benefits rather than booms followed by bust and long-term recovery periods.

1.2 Legislation, Mandate, Stakeholders

The Ministry of Fisheries operated under the following legislative mandates;

1.2.1 Legislation

| General | Specific to Ministry of Fisheries |
|--|---|
| <ul style="list-style-type: none">• The Constitution of Tonga• Government Priority Agenda• Tonga Strategic Development Framework II• Government Act• Public Finance Management Act• Public Audit Act• Public Service Act• Remuneration Act• Procurement Regulations• Public Revenue Regulations• Internal Audit Charter• International Agreements | <ul style="list-style-type: none">• Aquaculture Management Act 2003• Aquaculture Management (Amendment) Act 2005• Aquaculture Management (Amendment) Act 2009• Fisheries Management Act 2002• Fisheries Management (Amendment) Act 2009• Maritime Zone Act 2009• Tonga Defence Services (Amendment) Act 2013• Fisheries Management (Processing and Export) Regulations 2008• Fisheries Management (Conservation) Regulations 2008• Fisheries Management (Conservation) (Amendment) Regulations 2013• Fisheries Management (Processing and Export) (Amendment) Regulations 2010• Fisheries (Local Fishing) Regulations 2009• Aquaculture Management Regulations 2008• Fisheries Management Act 2002 Special Management Area Order (GS 20 of 2004)• Fisheries Regulations 1992• Fisheries (Vessel Monitoring System) Regulations 2009• Fisheries (Coastal Communities) Regulations 2009• Fisheries (LimuTanga'u) Regulations 2009• Special Management Area Order No.25/2013• Stowage of Gear Regulations |

1.2.2 Mandate

The mandate of the Ministry of Fisheries involves conserving, managing, developing, and sustainably utilising the Kingdom's aquatic resources to ensure food security, and to improve the social and economic well-being of the people of Tonga.

The Ministry of Fisheries operations are guided by the following:

1. Our National Constitution, whole-of-government Acts and Regulations, other general government policies and directives, the Tonga Strategic Development Framework 2015-2025, the Tonga Fisheries Sector Plan, the Tonga National Fisheries Policy, and Ministry specific legislation including the Fisheries Management Act 2002, the Aquaculture Management Act 2003, and the Maritime Zone Act 2009, and associated regulations.
2. A range of international treaties and conventions of direct relevance to sustainable fisheries including and derived from the United Nations Convention on the Law of the Sea (UNCLOS) that defines the territorial sea and oceanic boundaries of coastal states,

including the areas in which they may exploit marine resources. Of particular relevance to fisheries resource management, Tonga is a member of the Forum Fisheries Agency (FFA), the Pacific Community (SPC), and is a signatory to the Western and Central Pacific Fisheries Convention (WCPFC).

3. The United Nations Department of Economic and Social Affairs (UNDESA) Sustainable Development Goal (SDG) 14 to “conserve and sustainably use the oceans, seas and marine resources for sustainable development” advocates significantly reducing all kinds of marine pollution and minimizing ocean acidification by 2025, as well as sustainably managing and protecting marine and coastal ecosystems by as early as 2020. It also aims, by 2020, to regulate harvesting in an effective manner and to halt overfishing by ending illegal and unregulated fishing and destructive fishing practices. In addition, SDG 14 aims to prohibit specific types of subsidy to fisheries.
4. The Budget for the FY2018/19 theme is “Recovery with Greater Resilience”. Fisheries sector is one of the priority sectors including Agriculture and Tourism identified from the Government’s Priority Agenda (GPA) 2018-2021.
5. In particular, and of direct relevance to the Ministry of Fisheries, the TSDF II provides strong supporting language, stating:

“Appropriate management of our natural resources and our environment can help protect them and ensure that they provide benefits to current and future generations and ensure that we pass on our inheritance well preserved and improved”.

Ministry Vision and Mission

Our vision directs us in how we think about and plan for the future, with imagination and wisdom. Our mission gives us direction towards achieving that vision.

Our Vision: *“To achieve economically, socially and environmentally sustainable fisheries that contributes to better living standards for all Tongans.”*

Our Mission: *“Providing quality and timely services characterised by integrity, teamwork and professionalism.”*

1.2.3 Stakeholders

| Stakeholder | Customer of MoF | Supplier to MoF | Partner with MoF | Oversight of MoF |
|-----------------------------------|--------------------------------------|------------------------|---------------------------------------|------------------|
| Cabinet | Advice, Recommendations, Information | Decisions | Operating Effectiveness of Government | Direction |
| Parliament (Legislative Assembly) | Advice, Recommendations, | Decisions, Legislation | | Direction |

| | | | | |
|--|---|-----------------------------------|---|---|
| | Information | | | |
| Ministry/Department/Agencies (MOF, PSC, AGO, MAFF, MEIDECC, MOFA, MET, MOI-Marine & Ports and HMAF) | Advice, Guidance, Instructions, Information | Information | Operating Effectiveness of Government, | Oversight by PMO, PSC - Policy, Operations |
| Public Enterprises | Advice, Guidance, Instructions, Information | Information | Operating Effectiveness of Government, | |
| NGO | Advice, Guidance, Instructions, Services, Information | Goods, Services, Fees, Charges | Community Work, Education, Health | Monitor, Petition |
| General Public | Advice, Guidance, Instructions, Services, Information | Goods, Services, Fees, Charges | | Vote, Petition |
| Investors, fish farmers, processors and export | Provide service information | | Provide Services | |
| Regional and international agencies | Provide information and services | Information | Provide funding Providing information and services | |
| Development Partners | Advice, Guidance, Instructions, Services, Information | Development Assistance and Advice | Delivery of Aid Funded Programs | Oversight of the Use of Development Funds, General Performance Management |

The Ministry of Fisheries (MoF) relies on the Cabinet and Parliament for high level strategic direction, and for support for policy and legislation, and budget resources. MoF has close ties with a range of Ministries, Departments and Agencies. For example, seeking support and guidance on budget and planning from the Ministry of Finance, working collaboratively with the Tonga Navy on fisheries patrols, Ministry of Land and Survey and the Attorney General office on Boundary Delimitation, Attorney General office on reviewed of fisheries regulations and with Tonga Customs on border controls for imports and exports of fish products.

MoF works closely with key industry stakeholders towards sustainable fishery management, and with coastal communities on the establishment and administration of the Special Management Area Program. A range of species are being investigate for their potential for

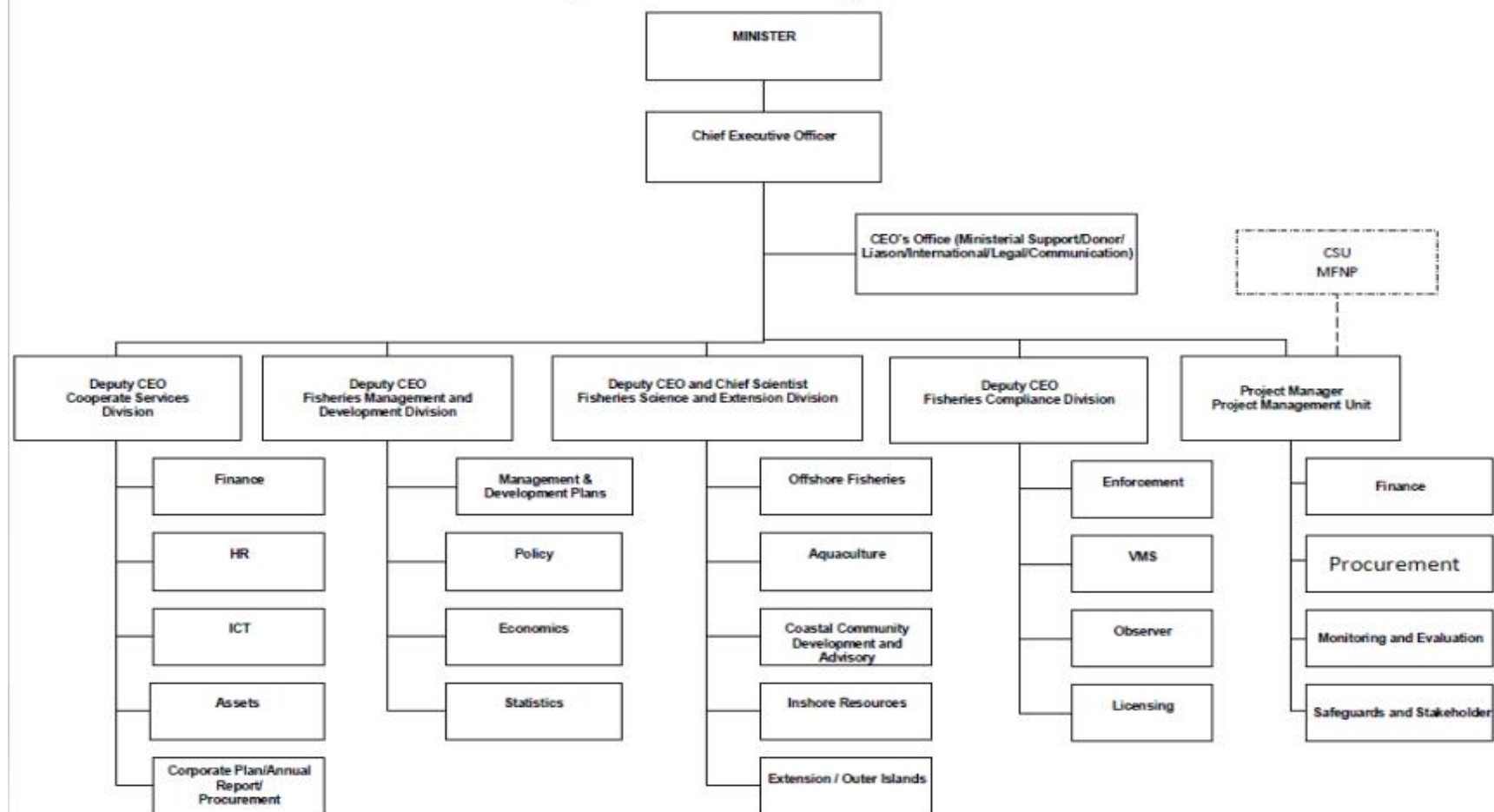
aquaculture, both as alternate livelihoods for coastal communities and for their potential for larger scale and export level production.

MoF has particularly close ties with two regional agencies, the Forum Fisheries Agency (FFA) and the Pacific Community (SPC), and regularly attends workshops, training events and meetings. Bi-lateral MOUs are in place for the provision of services to Tonga, such as support for management planning, compliance, resource assessment, and aquaculture development.

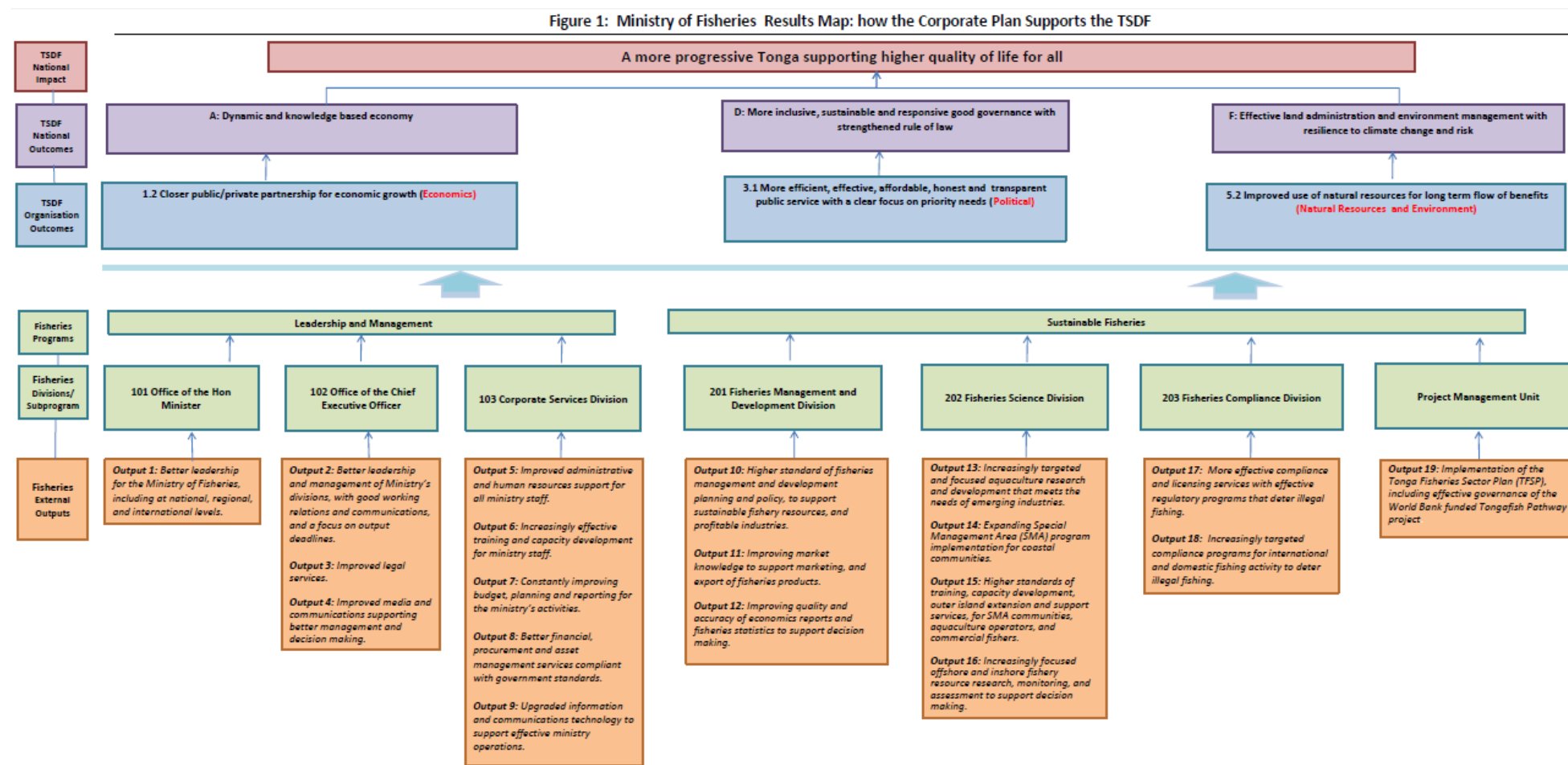
MoF works very closely with many development partners, in particular the World Bank, the NZ Ministry for Foreign Affairs and Trade, the NZ Ministry for Primary Industries, the Asian Development Bank, the Australian Centre for International Agricultural Research, and the Japan Trust Fund, and is extremely grateful for the generous support provided.

1.3 Operational Structure

Ministry of Fisheries Organizational Chart



1.4 Performance Management Framework – Results Map (Logframe)



2. Ministry of Fisheries Performance

2.1 Human Resource Management

During the FY 2019/20 we had 77 staff (35 females, 42 male) including 2 new staff recruited by the ministry, 2 staff who got promoted to new positions, 2 staff transferred and promoted to another ministry and 1 staff who got resigned. The project management unit recruited 1 new staff for the core team.

| | |
|---------------------|----|
| Established staff | 77 |
| New appointees | 2 |
| Unestablished staff | 7 |
| Promotions | 2 |

Project Management Unit (PMU)

| | |
|----------------|---|
| New appointees | 1 |
|----------------|---|

New Appointments

| No. | Name | Post | Division | Date of Assumption of duty |
|-----|----------------------|--------------------------|-------------------|--------------------------------|
| 1 | Ms. Vetekina Pau'u | Fisheries Officer | Fisheries Science | 15 th of July 2019 |
| 2 | Ms. Pelalina Falatau | Senior Fisheries Officer | CEO Office | 16 th of March 2020 |

PMU appointment

| No | Name | Post | Division | Date of Assumption of duty |
|----|--------------------------|--------|-------------------------|---------------------------------|
| 1 | Mr. 'Isileli Puniloa Afu | Driver | Project Management Unit | 6 th of January 2020 |

Promotions

| No. | Name/Previous post | Post promoted to | Division | Date of assumption of duty |
|-----|---------------------|----------------------------|-------------------|----------------------------------|
| 1 | Mrs. Makeleta Mahe | Senior Fisheries Officer | Corporate Service | 2 nd of March 2020 |
| 2 | Ms. Akosita Leakona | Technical Officer Grade II | Fisheries Science | 25 th of October 2020 |

PMU Promotions

| No. | Name/Previous post | Post promoted to | Division | Date of assumption of duty |
|-----|--------------------|---------------------|----------|-----------------------------|
| 1 | Mr. George Vete | Project Coordinator | PMU | 9 th March, 2020 |

Staff transferred

| No. | Name/Previous post/Ministry | Post promoted to/lateral transferred | Ministry transfer to | Date of assumption of duty |
|-----|--|--------------------------------------|-----------------------|-----------------------------------|
| 1 | Lupe Fe'iloaki Senior Fisheries Officer Ministry of Fisheries | Principal Economist | Prime Minister Office | 17 th of December 2019 |
| 2 | Eileen Fonua Principal Fisheries Officer Ministry of Fisheries | Deputy CEO | Ministry of Justice | 9 th of March 2020 |

Resigned

| No | Name | Post | Division | Date of resignation |
|----|-------------------|--------------------------|------------|----------------------------------|
| 1 | Mrs. Alice Funaki | Senior Fisheries Officer | CEO Office | 21 st of October 2019 |

PMU Resigned

| No | Name | Post | Division | Date of resignation |
|----|----------------------|---------------------|--------------|---------------------------------|
| 1 | Mrs. 'Olivia Fulivai | Project Coordinator | PMU Division | 22 nd December, 2019 |

This table shows the numbers of staff in each Band Level;

| Band Level | Numbers |
|--------------|-----------|
| E | 1 |
| G | 2 |
| H | 2 |
| I | 2 |
| J | 4 |
| K | 7 |
| L | 17 |
| M | 11 |
| N | 6 |
| Q | 4 |
| R | 15 |
| S | 6 |
| Total | 77 |

The table below shows the number of qualifications of the staff, we have 48 staff who already received a PhD, Masters, Bachelor Degrees and Diplomas, the rest of the staff they had a certificate from secondary school (Form 5, 6, 7) and other Fisheries Certificates.

| Qualifications | Number |
|------------------|--------|
| PhD | 2 |
| Master's Degree | 10 |
| Bachelor Degrees | 28 |
| Diplomas | 8 |

Staff development and training

The Ministry planned 42 training events for the staff, to build and strengthen their capacity and to improve their performance. During the FY2019/20 the Ministry achieved 30 training events out of the planned 42. Insufficient funds prevented further training, in particular those that were conducted overseas.

The table below lists the training events, attachments and workshops that staff attended overseas during FY 2019/20.

| FY 2019/2020 | Training/workshops/attachments |
|------------------|--|
| 8 - 9 July 2019 | Pacific Region Value Chain selection workshop |
| 20- 26 July 2019 | Regional workshop on Fisheries Subsidies for Government Official from Pacific (22 - 24/07/2019); Workshop " Fisheries Subsidies Negotiation at the WTO (24 - 25/07/2019); Close-door strategy meeting for Pacific Island representatives attending these two workshops on the above issue (26/07/2019) |

| | |
|--------------------------------|--|
| 5 - 10 August | Training on Aquatic Animal Diseases |
| 07 - 26 August 2019 | FFA pre-meeting and 15th Regular Session of the Science Committee meeting |
| 17 - 31 August 2019 | Eighteen Meeting of the conference of the Parties |
| 19 - 23 August 2019 | International Fisheries Law |
| 12 - 17 August | Observer E-reporting training |
| 26 - 30 August 2019 | Pacific Fisheries Leadership Programme course: Leadership for Change Module 1: Exercising Leadership |
| 19 - 30 August 2019 | Intergovernmental Conference on an international legally Binding Instrument under the United Nation Conservation on the Law of the Sea on the Conservation and sustainable use of Marine Biological Diversity of Areas Beyond National Jurisdiction, Third Session |
| 26 - 30 August 2019 | Debrief Part C training |
| 2-6 September 2019 | Maritime Security (Fisheries Focus) Cooperation Workshop in the Western and Central Pacific |
| 3-6 September 2019 | Blue prosperity workshop series: marine spatial planning law |
| 03 - 26 September 2019 | 2019 Seminar on wildlife protection and CITES Implementation for Developing Countries |
| 9 - 13 September 2019 | Observer Critical Incident Analysis Workshop |
| 7 - 16 September 2019 | International Fisheries Negotiations Course |
| 9 - 20 September 2019 | Sea cucumber training attachment |
| 12 - 13 September 2019 | 6th Meeting of the ACP Ministers responsible for Fisheries and Aquaculture |
| 23 September - 15 October 2019 | Seminar on Economic and Fiscal Administration for Developing Countries |
| 23 - 27 September 2019 | Nippon Foundation Alumni meeting alongside the UN Climate Action Summit 2019 |
| 20 September - 04 October 2019 | The FFA Pre-TCC15 working group meeting and the 2019 Fifteen regular session of the Technical and Compliance Committee |
| 7 - 11 October 2019 | WTO Fisheries Cluster of Meeting |
| 7 - 11 October 2019 | Professional writing course |
| 9 October - 1 November 2019 | Seminar on the Quarantine of Import and Export Animal and Plant for Government Official from Developing Countries |
| 16 October - 12 November 2019 | Seminar on Marine Fishery Economic Development |
| 16 October - 4 November 2019 | MOC and FFC 112 |
| 17 - 02 November | Seminar on Economic and Social Policies for Sustainable |

| | |
|--------------------------------|--|
| 2019 | Development for Government Officer |
| 31 October - 20 November | Seminar on Fishery Development and Management for Countries along the Silk Road Economic Belt |
| 31 October - 30 November 2019 | Training Course on Aquatic Product Trade and Market Development for Development Countries |
| 5 - 8 November 2019 | Third SPC Regional Technical Meeting on Coastal Fisheries |
| 06 - 23 November 2019 | Seminar on Leadership Capacity for Female Official from Developing countries |
| 06 - 30 November 2019 | Seminar on Aquatic Animal Health Management and Quarantine for Countries along the Maritime Silk Road |
| 11 - 15 November 2019 | Pacific Ocean Finance Conference |
| 11 - 15 November 2019 | Train for Trainer Course for Senior Compliance Officer |
| 11 - 22 November 2019 | Review of Marine Aquarium Management Plan 2017 - 2019 |
| 23 - 30 November 2019 | Review of the Deepwater Fisheries Management Plan 2017 - 2019 and Draft Deepwater Squid Management Plan |
| 13 - 23 November 2019 | MCS Course (Certificate IV in Coastal Fisheries and Aquaculture Compliance |
| 18 - 22 November 2019 | Pacific Island Forum Fisheries Agency - Dockside Boarding Inspection training |
| 25 November - 06 December 2019 | Implementing recommendation to strengthen and enhance Tonga's Special Management Area (SMA) programme toward better-managed coastal fisheries resources and empowered, food secure communities |
| 26 November - 13 December 2019 | 3rd Session of Fishery Training Course for Pacific Islands |
| 28 November - 12 December 2019 | Sixteen Regular Session of the commission for the conservation and management of highly migratory fish stock in the Western and Central Pacific Ocean (WCPFC 16) plus Pre-FFA Meeting |
| 2 - 6 December | WTO Fisheries Subsidies Cluster |
| 2 - 6 December 2019 | Pacific Fisheries Leadership Programme course: Stage 3: Leadership for Change Module 1: Exercising Leadership |
| 2 - 9 December 2019 | Seascape genomics: a new tool to support coral reef |
| 20 - 24 January 2020 | Regional South - South Exchange on Sandfish Aquaculture |
| 27 January - 14 February 2020 | Pacific Fisheries Leadership Programme (PFLP): Stage 1 - Leadership for Effectiveness |
| 1 - 8 February 2020 | Working on the 30 by 30 Marine Protected Areas Target and Post 2020 Framework |
| 03 - 06 February 2020 | Regional Inception Workshop for "Enhancing livelihoods and food security through fisheries with Nearshore fish |

| | |
|-----------------------|--|
| | aggregating devices in the Pacific Ocean" |
| 10 - 14 February 2020 | 20th Regional Observer Coordinator Workshop (ROCW 20) |
| 7 - 12 March 2020 | Writing Workshop: SPC Pacific Handbook on Gender Equity & Social Inclusion in Coastal Fisheries and Aquaculture. Development of four additional modules (1) Coastal Fisheries Management (2) Community Engagement (3) Livelihood (4) Oceanic Fisheries |

Ministry of Fisheries Staff Performance for FY2019/2020

The Ministry of Fisheries submitted its Performance Management System assessment for the End of Financial Year 2018/19 in August 2019 and Mid Year Review Assessment for FY2019/20 to PSC in January 2020. In Comparison of the outcome for the PMS end results of FY2018/19 with FY2017/18 there was an improvement in the staff performance rewards. But due to confidentiality of the data that can not be released in this report.

PSC-PMS end of the year assessment award for all ministries was held in December 2019. There were 12 categories within the assessment for all the line ministries. Ministry of Fisheries received first prizes in 6 categories.

1st prizes:

- 1st in the October to December, 2018 Quarter Award- Small Ministry Category
- 1st in the Jan to March, 2019 Quarter Award (tied)- Small ministry category
- 1st in the April to June, 2019 Quarter Award (tied)- Small Ministry Category
- 1st in the July to Sept, 2019 Quarter Award (tied)- Small Ministry Category
- 1st in the most consistent Ministry award – Small ministry Category
- 1st in the Outer Island Readiness Award (tied)- Small Ministry Category

The Ministry also participated at the Public Service day month events which was held in June 2019 and the Ministry awarded a second in most popular Booth.

2nd prizes:

- 2nd place award for most popular Booth – Public Service Day

2.2 Results Management (Reporting outputs and outcome)

2.2.1 Office of the Honourable Minister

| TSDF II Outcomes A: A more inclusive, sustainable and dynamic, knowledge-based economy. D: More inclusive, sustainable and responsive good governance with strengthened rule of law. F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk. | | | | | |
|---|---------|---|--|---|---|
| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
| Output 1: Better leadership for the Ministry of Fisheries, including at national, regional and international levels. | | | | | |
| Number of meetings. | 5 | 5 | Ministry of Fisheries, PSC, Ministry of Finance, Cabinet, Legislative Assembly | The Government is well informed of fisheries activities | Inform key stakeholders and relevant ministries of policy and regulations |
| Annual submission of CP and Budget | 1 | 1 | Ministry of Fisheries, Ministry of Finance, Cabinet, Legislative Assembly, Prime Minister's Office | The Government is well informed of fisheries activities | Maintain submission on time of the report |
| Annual submission of AR FY2018/19 | 1 | 1 | Ministry of Fisheries, Cabinet, Legislative Assembly | Improve Fisheries management | Attend all meetings |

2.2.2 Office of the Chief Executive Officer

| TSDF II Outcomes A: A more inclusive, sustainable and dynamic, knowledge-based economy. D: More inclusive, sustainable and responsive good governance with strengthened rule of law. F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk. | | | | | |
|---|---------|---|---|--|--|
| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
| Output 2: Better leadership and management of Ministry's divisions, with good working relations and communications, and a focus on output deadlines | | | | | |
| Number of meetings. | 4 | 4 | Ministry of Fisheries, Ministry of Finance, PSC, Cabinet | Contribute to final Approval of Budget, CP, Annual Management Plan of the Ministry of Fisheries | Suggest a one-week training for preparation of the CP, budget and Management Plan |
| Number of annual processes each year of CP, AMP, Budget, Cash flow forecast, procurement plan, training plan, PMS, JD review and Annual Report | 9 | 12 | Ministry of Fisheries, Ministry of Finance, PMO, LA, PSC, Cabinet | Budget is well-monitored Contribute to final Approval of Annual Procurement Plan of the Ministry of Fisheries Contribute to final Approval of Annual Training Needs of the Ministry of Fisheries | Follow up with monthly cash flow First identify fisheries activities included in annual procurement plan First identify areas of training needs to be included in annual training needs. |
| Number of six-month | 2 | 2 | Ministry of | PSC is well aware of fisheries | Maintain the submission of |

| | | | | | |
|---|----|----|---|--|---|
| reports processes each year. | | | Fisheries, PSC | activities | report in accordance with the deadlines. |
| Number of Annual reports on implementation of TFSP | 1 | 1 | Ministry of Fisheries, WB, MOF | MoF is well aware of activities implemented by the TFSP | Maintain the received of the TFSP report from PMU |
| Output 3: Improved legal services. | | | | | |
| Monthly legal advice and briefings to emerging legal issues. | 12 | 12 | Ministry of Fisheries, Attorney General office, Cabinet | Ministry and Government of Tonga is well aware of legal requirements | Increase legal activities to improve public awareness |
| Number of amendments to Act and regulations, and fishery notices prepared when necessary. | 2 | 2 | Ministry of Fisheries, Attorney General office, Cabinet FFA, WCPFC | Improve fisheries management | Good plan and the consistency of Regulations, Ministry's Public awareness |
| Output 4: Improved media and communications. | | | | | |
| Number of Quarterly consultation meetings with key stakeholder groups. | 4 | 4 | Ministry of Fisheries, Ministry of Finance, PSC, FFA, SPC, WCPFC, World Bank, FAO, ACIAR, MFAT, DFAT, JICA, NFC, Pearl farmer | Increased understanding of fisheries issues among stakeholders | Increase engagement with stakeholders, regional and national agencies |
| Monthly Media releases (TV and radio) provided in accordance with schedule. | 12 | 12 | Ministry of Fisheries, Public | The public is well informed of fisheries activities | Increase the number of media outputs |

2.2.3 Corporate Services Division

| TSDF II Outcomes A: A more inclusive, sustainable and dynamic, knowledge-based economy. D: More inclusive, sustainable and responsive good governance with strengthened rule of law. F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk. | | | | | |
|---|---------|---|---|---|---|
| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
| Output 5: Improved administrative and human resources support for all ministry staff. | | | | | |
| Annual submission of JD review | 1 | 1 | Ministry of Fisheries, Public Service Commission (PSC) | Inconsistent in agreement of JD review between staff/supervisor | Consistency in agreement of JD review between staff/supervisor |
| % of vacant post complete within Financial Year | 80% | 80% | Ministry of Fisheries, Public Service Commission, Ministry of Finance | All of the recruitments freeze, waiting for the final decision from PSC and Finance regarding the vetting process | Fill in the remaining vacant position subject to lifting of the freezing and vetting process. |
| Annual review of the Ministry's filing system | 1 | 1 | Ministry of Fisheries | | Continuing weekly and monthly updating Ministry's file |
| Output 6: Increasingly effective training and capacity development for ministry staff. | | | | | |
| Submission of the Annual training plan | 1 | | Ministry of Fisheries, | Donor availability, relevant training | Recommended to PSC to re-schedule the deadline for |

| | | | | | |
|---|---|------------------|---|--|--|
| | | 1 | Public Service Commission | offered. | Annual Training plan from 2 August to 31 st of August in order to inline with the PMS EFY. |
| Output 7: Constantly improving budget, planning and reporting for the ministry's activities. | | | | | |
| Annual submission of Corporate Planning, Budget, Annual Management Planning and Internal-Annual Management Plan to CEO. | 4 | 4 | Mistry of Fisheries, Prime Minister's Office, Ministry of Finance | | Budget + CP approved from LA, pending return to Line Ministry |
| Biannual review of staff performance management | 2 | 2 | Ministry of Fisheries, Public Service Commission | i) Partial complete of remarks in the PMS form ii) Delaying in comply with PMS internal schedule | i) Conduct a refresher training before MYR and EFY and also address the challenges within the PMS form ii) Prompt compliance of internal schedule |
| Annual submission of monitoring and evaluation report | 1 | 4 (quarterly) | Ministry of Fisheries, Prime Minister's Office | Changes received from PMO to undertake Quarterly M&E for FY2019/20 per PMO savingram #FI 5/2. | Close consultation with PMO regarding the quarterly deadline to consider |
| Annual submission of Annual Report to CEO | 1 | 1 | Ministry of Fisheries, Cabinet, Legislative Assembly | Delays in meeting internal schedule deadlines towards compilation of Division contribution to Annual Report against the CP | Prompt compliance with the internal schedule |

| | | | | | |
|---|--------------|--------------|--|---|---|
| | | | | targets of the FY | |
| Number of internal policies Develop, review, update, and submit internal policies to CEO. | 5 (3a/2d) | 6 (4a/2d) | Ministry of Fisheries, PSC | Variance in understanding on internal policy | Regular refresh of these policies and the flexibility to adjust with justifications accordingly |
| Output 8: Better financial, procurement and asset management services compliant with government standards. | | | | | |
| Annual submission of expenditure cash flow forecasts | 1 | 1 | Ministry of Fisheries, PSC, Ministry of Finance | Delays in submitting divisional cash flow in accordance to deadlines | Auto reminder to all HOSs/HODs |
| Annual submission of revenue forecast reports | 1 | 1 | Ministry of Fisheries, PSC, Ministry of Finance | Better monitoring and update of forecast reports | Auto reminder to all HOSs/HODs |
| Annual submission of annual PAYE | 1 | 1 | Ministry of Fisheries, Ministry of Finance, MORC | Better monitoring and accuracy of staff PAYE | Internal auto reminder for PAYE. |
| Annual submission of asset reports | 1 | 1 | Ministry of Fisheries, Ministry of Finance | Undertake asset count to meet deadline | i) Friendly reminder on assets transferred without advice. ii) Consult with MOF about the deadline set due to RAS activity occur in June |
| Annual submission of procurement plan | 1 | 1 | Ministry of Fisheries, Ministry of Finance, PMO | Divisional plan to consider the needs for procurement to include at the APP | Friendly reminder for better planning, to avoid number of amendment APP |
| Output 9: Maintain information and communications technology to support effective ministry operations. | | | | | |

| | | | | | |
|--------------------------------|-----|------|---|--|-------------------------------|
| System downtime by daily | <5% | <1% | Ministry of Fisheries, Ministry of Finance, MEIDECC | | Core system upgrade completed |
| % supply/repair within 30 days | 80% | 100% | Ministry of Fisheries, Ministry of Finance, MEIDECC | | Close liaison with Suppliers. |

2.2.4 Fisheries Management and Development Division

TSDF II Outcomes

A: A more inclusive, sustainable and dynamic, knowledge-based economy.

D: More inclusive, sustainable and responsive good governance with strengthened rule of law.

F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk.

| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
|---|---------|---|---|---|---|
| Output 10: Higher standard of fisheries management and development planning and policy, to support sustainable fishery resources, and profitable industries. | | | | | |
| Number of Fisheries Management Plan (FMP) developed or reviewed and approved and implemented. | 2 | 3 <i>Fisheries Management and Development Plan (FMP) reviewed</i> 1.Tonga National Sea Cucumber | Ministry of Fisheries and relevant stakeholders (Sea Cucumber, Deepwater and Marine Aquarium License holders, | Delay due to covid-19 prioritised activities conducted by the Ministry. Hon. Cabinet Minister's approved | Monitor closely and once the fishery closes on the 30 th of September, the FMD Division will continue to finish remaining consultation sessions here in Tongatapu for the new regime for the Sea Cucumber Management Plan. |

| | | | | | |
|--|--|---|--|--|---|
| | | <p>Management and Development Plan 2020</p> <p>2. Deepwater Fisheries Management and Development Plan 2020 – 2025</p> <p>3. Marine Aquarium Management and Development Plan 2020 – 2025</p> <p><i>Monitoring the implementation of the Fisheries Management Plans</i></p> <p>1. Monitoring the implementation of the Tuna Management and Development Plan 2018-2022, Aquaculture Management and Development Plan 2018-2022, Deepwater Fishery Management Plan</p> | fishermen and coastal communities and local people | the opening of harvesting, processing and export of sea cucumber from 01 July to 30 September 2020 | <p>Schedule FMAC for approval of revised Deepwater Fisheries Management Plan and the Marine Aquarium Management Plan</p> <p>On-going develop, review, and monitor of the implementation of the fisheries management plan.</p> <p>Sea Cucumber consultations on the new regime for sea cucumber will continue when the fishery closes on 30th September 2020.</p> |
|--|--|---|--|--|---|

| | | | | | |
|--|---|---|---|--|--|
| | | <p>2017 – 2019, Marine Aquarium Management and Development Plan 2017 – 2019.</p> <p>Key activities under each of the approved FMPs delivered and ongoing monitoring of the activities under each FMPs</p> | | | |
| Number of policies developed or reviewed and approved and implemented. | 2 | <p>2</p> <p>i) National Plan of Action for shark 2018 - 2022 (Currently implemented)</p> <p>ii) Tonga National Fisheries Policy (Developed, approved, and currently implemented)</p> <p>iii.) Coastal Fisheries Policy (Ongoing developing of</p> | <p>Ministry of Fisheries and collaboration agencies which includes SPC Noumea Office, Ministry of Primary Industries NZ, National Institute of Water and Atmospheric Research (NIWA) and local communities.</p> | <p>Delay in implementation of activities and drafting of the Coastal fisheries policy are due to covid-19 restrictions and Cabinet Decision to re-open the fishery on the 1st July-30th September 2020</p> | <p>i) Following up on the implementation of the National Plan of Action for Shark.</p> <p>ii) Follow up on activities of the approved Tonga National Fisheries Policy and Foreign Investment Policy.</p> <p>iii) Continue drafting of the Coastal Fisheries Policy</p> |

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| | | policy) iv) Monitoring and Evaluation the Performance of Implementation of the National Plan of Action for shark 2018 - 2022. | | | |
| Output 11: Improving market knowledge to support marketing, and export of fisheries products. | | | | | |
| Number market price report produced. | 4 | 4 Domestic market price of fish report included in the quarterly report every quarter | Fishing industries and Ministry of Fisheries | | The Ministry will continue to provide the report on the price of fish at the domestic market on a quarterly basis |
| Number of market research reports produced. | 6 | 2 Snapper Market research plan completed On-going development of market research plan for pearl products | Snapper licence holders, Ministry of Fisheries and National Fisheries Council | Delay in conducting of planned international market research are due to covid-19 restrictions | The Ministry will continue to conduct market research for all the existing and potential marine products |
| % implemented of MOF fight against NCD project | 80% | 100% | | | |

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| per unloading. | | MOF continue to implement the project to address NCD in Tonga | All the relevant stakeholders and the people of Tonga | | The Ministry will continue to implement this project for the support the MOH in fighting against NCD in Tonga. |
| Output 12: Improving quality and accuracy of economics reports and fisheries statistics to support decision making. | | | | | |
| Number of fisheries statistic report publishes. | 4 | 6 Three outstanding quarterly bulletins from FY18-19 plus 1 st – 3 rd quarterly bulletin reports for FY19-20 already submitted to HOD. | Ministry of Fisheries, Statistics department, National Reserve Bank. | Data that are used for the quarterly bulletin report are collected from other divisions within the Ministry. | The Ministry will continue to provide quarterly bulletins. |
| Number of economic analysis reports published. | 2 | 1 Analysis on the tuna fishery completed and reported submitted to HOD. Data analysis is provided to line ministries as well as other stakeholders with the approval of CEO | Ministry of Fisheries, FFA, SPC, Tuna industry. | Data collected by the Ministry on Tuna Fishery were used for this analysis. | Economic section will continue to report on economic analysis required by the Ministry and to provide economic data to relevant stakeholders |

Export Performance

The total marine product exported (not including aquarium products), during the period was 2,015 metric tons. This is a 13% increase from the total marine products exported in the last financial year which was predominantly due to substantial increase of tuna. All fish exports in this financial year were valued at TOP\$10.5 million which is a 11.7% increase from the value of fish exported in the last financial year.

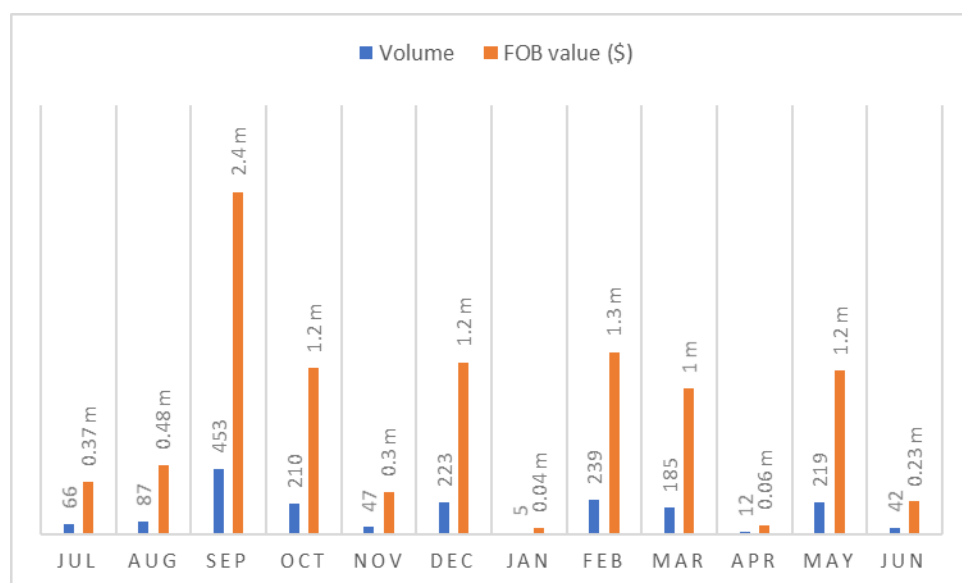
Table 1: Total weight and value of Marine Export from July 2019 – June 2020

| Species | Weight (KG) | Value (TOP\$) |
|-----------------------|------------------|----------------------|
| Seaweed (Kappaphycus) | 15 | 7.50 |
| Seaweed (Mozuku) | 102,155 | 51,077.50 |
| Shark Fin | 1,005 | 80,400.00 |
| Shark Meat | 67,424 | 337,192.00 |
| Snapper | 57,426 | 378,511.80 |
| Tuna | 1,787,247 | 9,638,955.00 |
| Total | 2,015,272 | 10,486,143.80 |

Tuna Fishery

A total of 1,787 metric tons of tuna was exported in this financial year which is a 12% increase from the last financial year. Tuna was the main contributor to the total amounts of marine products exported, making up 91%. The total tuna exported within this period was valued at approximately TOP\$9.6 million, which is a 9% increase from the previous period.

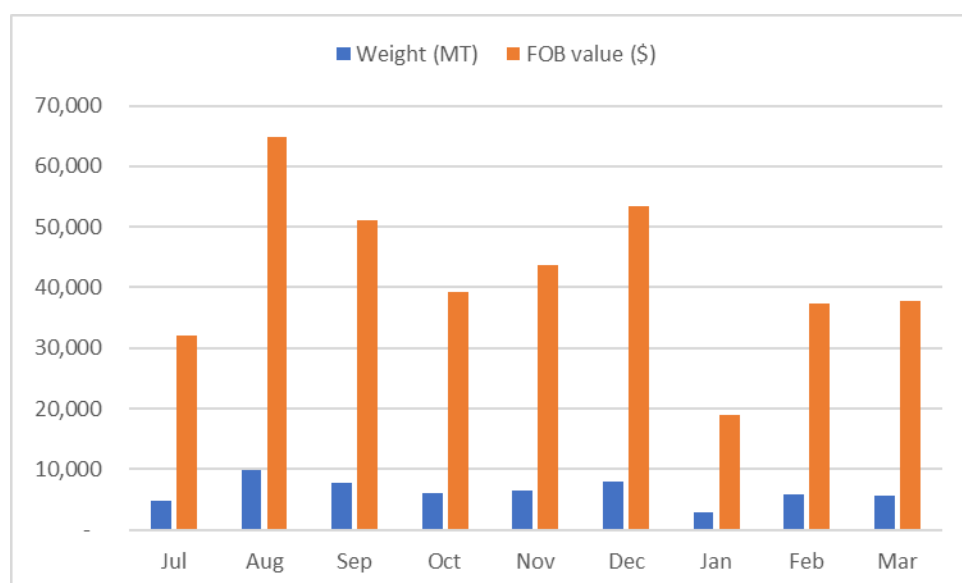
Figure 1: Total Tuna Export by weight (tons) and FOB value (\$ million) from July 2019 – June 2020.



Deepwater Fishery (Snapper)

A total of 57 metric tons of snapper was exported in this financial year, which is decrease by 22% from the last financial year and contributing 4% to the total quantities of marine products exported. It was valued at approximately TOP\$0.4 million which is decrease by 17% from the last financial year. The export of snapper was dominated by flame snapper (P. Tavake). The last export of snapper was in March before the covid-19 pandemic.

Figure 2: Snapper Export by weight and FOB value by month from July 2019 – June 2020.



Aquarium Fishery

The total aquarium products exported in this period was 157,551 pieces, and was valued at approximately TOP\$0.97 million. This was a 39% decrease in quantities and associated with 19% decrease in FOB value from aquarium exports in the previous financial year. The aquarium export was dominated by low value invertebrates in terms on quantity as can be seen in figure 3. The main market for exported aquarium products is the United States.

Figure 3: Aquarium exports by pieces from July 2019 – June 2020

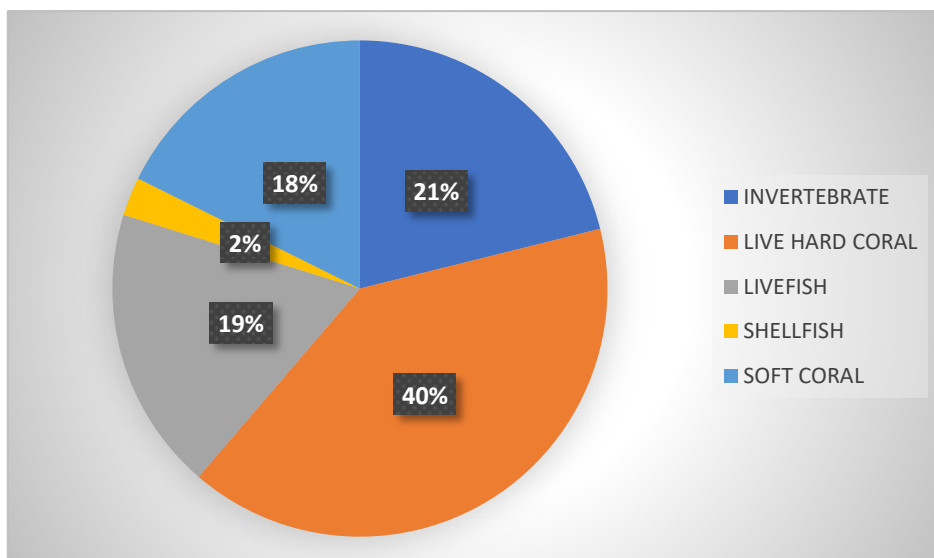
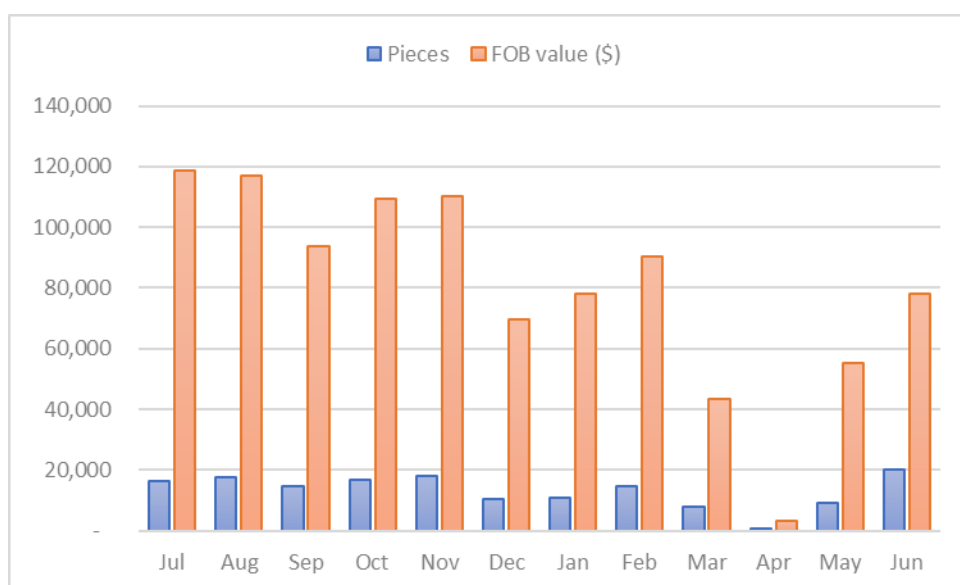


Figure 4: Aquarium export by pieces by FOB value by month as of Jul 2019 – June 2020.



Domestic Market Survey

A market survey is conducted once every week in a local fish market with the purpose to gather information based on marine resources market price and estimated volume sold in local markets. This survey includes Vava'u, Ha'apai and four main fish markets in Tongatapu. A total of 94 metric tons of marine resources was recorded in this financial year which is approximately valued at \$TOP 0.84 million.

The average market price of fin fish was at range of \$8 to \$9 per kilogram and sold at price of \$20, \$30, \$50 and up to \$60 and \$70 per bag. The market price of other species varied according to production cost and a change in fish market price were determined by the quantity of marine products available in the market in a particular time. However, middle men

also influence the price of marine products depending on the quantity available in the market especially the main fish market at Fua and Vava'u. The detail of average price is detailed on the graph below, with a general indication of stable or increasing prices.

Figure 5: Total volume and value by fish market as of financial year 19/20.

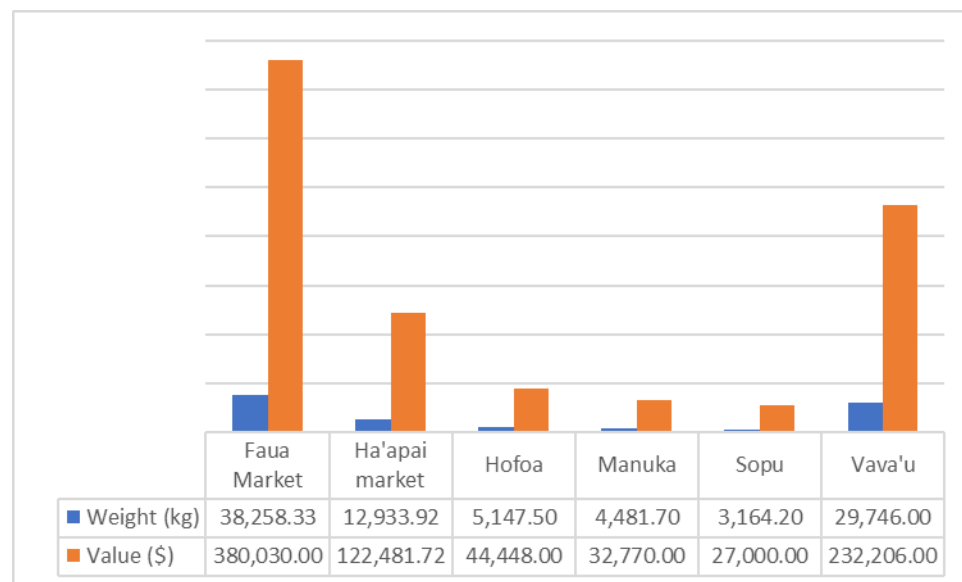


Figure 6: Average price (\$)/species as of July 2019 – June 2020.

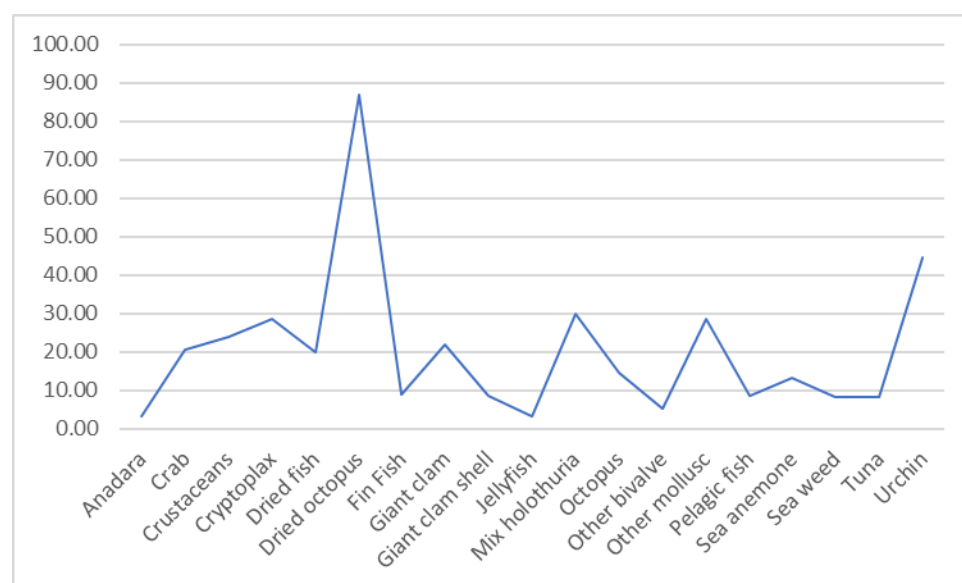
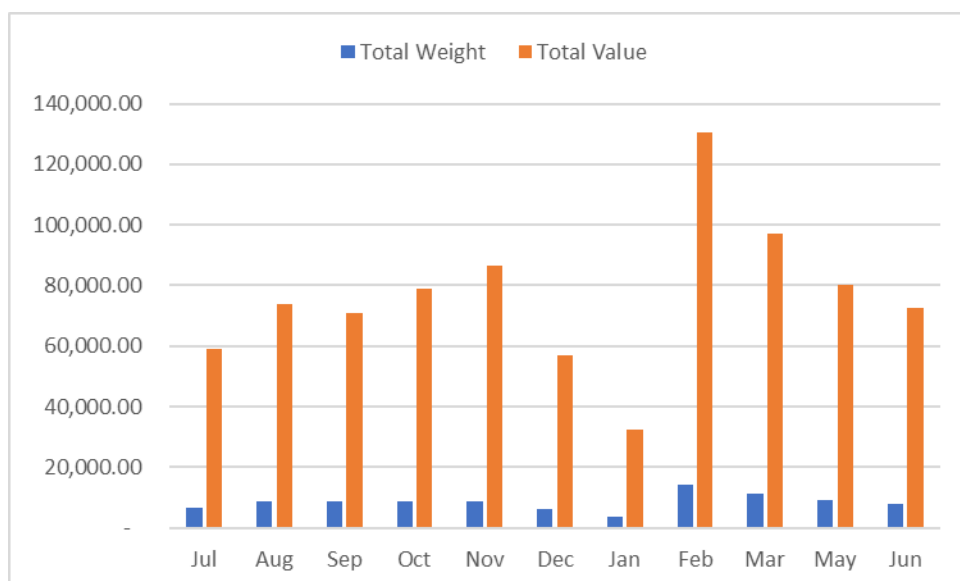


Figure 7: Total volume and value of marine product sold in domestic market as of July 2019 – June 2020.



2.2.5 Fisheries Science Division

| TSDF II Outcomes | | | | | |
|--|---------|--|---|--|---|
| A: A more inclusive, sustainable and dynamic, knowledge-based economy. D: More inclusive, sustainable and responsive good governance with strengthened rule of law. F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk. | | | | | |
| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
| Output 13: Increasingly targeted and focused aquaculture research and development that meets the needs of emerging industries. | | | | | |
| Number of aquaculture operators (SMAs communities, farmers) support with suppliers of spats, seedling or juveniles of aquaculture species. | 25 | 41 29 x Pearl farmers were provided with pearl oyster spats (25 x Vava'u, 4 x Ha'apai) 11 x Special Management Areas communities provided with juvenile giant clams (6 x Ha'apai, 5 x Vava'u) 1 x Sea cucumber farm | Pearl farmers Special Management Areas (SMAs) communities Sea cucumber farmer | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Preparedness for next cyclone seasonal. 2) To expand the hatchery and improve the laboratory equipment 3) To recruit aquaculture staffs 4) To conduct an on-going monitoring with spawning activities |
| Number of trials conducted for | 2 | 3 | Ministry of Fisheries | Sustainable economic development | 1) To improve capacity building on sea cucumber |

| | | | | | |
|---|----|---|--|--|---|
| species of potential. | | Sea cucumber species, Sea urchin, Arc shell (Kaloa'a) | | Sustainable environment management and resilience to climate change Sustainable and good governance | and sea urchins spawning and sea ranching system. 2) To develop spawning event and sea ranching system guidelines for Aquaculture team to use. |
| Output 14: Expanding Special Management Area (SMA) program implementation for coastal communities. | | | | | |
| Number of new SMA established Note: PMU contribution in AMP | 10 | 5 - 5 x New gazette SMA February 2020 -10 x SMA Plan complete | SMA communities, Ministry of Fisheries, SMA's Donor (SPAM, VEPA, R2R project, Tonga Health, Government of Tonga) | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable, good governance and Food Security | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities |
| Number of monitoring program conducted | 1 | 28 Quarterly Monitored of 8 existing SMA Tongatapu=11 Implementation of activities for 3 new SMAs communities in Tongatapu (Kanokupolu, Manuka, | SMA Communities, Ministry of Fisheries, SMA's Donor (SPAM, VEPA, R2R project, Tonga Health, Government of Tonga) | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable, good | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities |

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| | | <p>Nukunuku = 3</p> <p>Implementation of activities for 2 new SMA communities in Vava'u (Makave & Nuapapu) = 2</p> <p>Re-deployment of boundary markers for SMA Communities in Vava'u (Koloa & Holeva) = 2</p> <p>Deployment of activities for 2 new SMA communities in Vava'u (Holeva & Kapa) = 2</p> <p>Deployment of activities for 8 new SMA communities in Vava'u (Mo'unga'one, Muitoa, Pukotala, 'Uiha, Lofanga, Faleloa, Fakakai & Ha'ano) = 8</p> <p>18 signboards Installed (4 in 'Eua, 9 in Vava'u & 5 in Tbu)</p> | | governance and Food Security | |
|--|--|--|--|------------------------------|--|

| Output 15: Higher standards of training, capacity development, outer island extension and support services, for SMA communities, aquaculture operators, and commercial fishers. | | | | | |
|--|-----|---|---|--|---|
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | 105 68 x Tongatapu 25 x Vava'u 7 x Ha'apai 3 x 'Eua 2 x Niuatoputapu | Ministry of Fisheries staffs and SMA communities Fishermen | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities. |
| Number of Higher standards training, capacity development and extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | 119 | 433 76 x Tongatapu 98 x Vava'u 193 x Ha'apai 34 x 'Eua 23 x Niuatoputapu 9 x Niuafo'ou | | Food security Sustainable economic development in community level | 1) To improve technical skills and capacity of the Fisheries staff in particular with proper pearl harvesting, grading and carving through further trainings with the ACIAR project consultant in order to assist he pearl farmers to do the work on their own successfully. 2) To improve equipment and facilities in order the assist pearl activities. 3) Need to improve financial supports from government in order to assist smoke fish activities throughout the islands in Tonga. |

Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries (**Tongatapu**)

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|---|---|--|--|---|--|
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | 68 (Tbu) | | Sustainable economic development | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities. |
| | | <u>Inshore (43)</u> | Sea cucumber farmer and Ministry of Fisheries | Sustainable environment management and resilience to climate change | |
| | | SMA Data Collection Training (17/24) | | | |
| | | 12 SMA's fisherman catch data collection training at Vava'u | | | |
| | | 2 SMA's fisherman catch data training at 'Eua (Houma, Tufuvai) for SMA committees | Ministry of Fisheries staffs and SMA communities | Sustainable and good governance | |
| | | 4 SMA data collection training for Mu'omu'a (Matuku, Fonoi, Mango, Nomuka) | | | |
| | | 6 SMA's catch data training at Tongatapu (Ha'atafu, Kanokupolu, Kolonga, Manuka, Nukunuku, Lapaha) | Ministry of Fisheries staffs and SMA communities | | |
| | | 1 socio-economic survey training | | | |
| | | 1 sea-cucumber | Ministry of Fisheries staffs | | |

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| | | <p>baseline survey training</p> <p><u>Compliance (6)</u> 6 Compliance Training in TBU (3 New SMAs, 3 old SMAs)</p> <p><u>Community (9)</u> 6 Training on Deployment of boundary markers (4 in Hpa & 2 in TBU)</p> <p>2 GPS Training and ongoing (1 new SMAs and 1 old SMA)</p> <p>1 Small scale Fishing Operation (SFO) Training</p> <p><u>Offshore (8)</u> <i>Offshore data collection training (4).</i> Training of new port sampler on data collection</p> <ul style="list-style-type: none"> - Tuna - Snapper - Squid - Artisanal | <p>and SMA communities</p> <p>Small scale fishermen</p> <p>Small scale fishermen</p> <ul style="list-style-type: none"> - Ministry of Fisheries (FSD staff) - SPC with other Regional organisation | | |
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| | | <p><i>Offshore data management training</i> (3). Train of port sampler on new Tufman2 component (Snapper database).</p> <ul style="list-style-type: none"> - Onshore application for both tuna and snapper data collection - Onboard system (tuna log) - Tails application (artisanal data collection) <p>NIWA</p> <ul style="list-style-type: none"> - R training <p><u>Aquaculture (2)</u></p> <p>1 Pearl harvesting and handicraft training in Ha'apai.</p> <p>1 Training for giant clams site selection and monitoring in Vava'u.</p> | <p>Farmers</p> <p>SMA's Communities</p> | | |
| Number of Higher standards training, capacity development and | 70 | <p>76 (Tbu)</p> <p><u>Inshore (6)</u></p> <p>6 MSP consultation</p> | All villages in | Food security Sustainable economic development in | 1) To improve technical skills and capacity of the Fisheries staff in particular with proper pearl harvesting, grading and |

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| extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | | <p>(Tbu, Vvu, Hpa, 'Eua & The Niuas)</p> <p><u>Community (64)</u> 3 Community Meeting (Attend Kolomotu'a Fono Meeting, Meeting with Western Development Council, Meeting with Kolomotua District officer and town officers)</p> <p>5 x Confirmation Meeting (Kanokupolu, Puke, Makaunga, Talafo'ou & Tofoa)</p> <p>5 x Consultation with Neighbouring communities & relevant stakeholders (Talafo 'ou, 'Ahau, Hofoa, Ports Authority & Palace Office)</p> <p>8 x Royal Agricultural Show events</p> <p>11 Services provided to fishermen (8 x</p> | <p>Tonga</p> <p>Ministry of Fisheries staffs</p> <p>SMA communities and Interested Communities</p> <p>Ministry of Fisheries staffs</p> <p>SMA communities and Interested Communities</p> <p>Ministry of Fisheries staffs</p> <p>SMA communities and Interested Communities</p> <p>Related stakeholders</p> <p>Fishermen</p> <p>Fishermen</p> | community level | <p>carving through further trainings with the ACIAR project consultant in order to assist the pearl farmers to do the work on their own successfully.</p> <p>2) To improve equipment and facilities in order to assist pearl activities.</p> <p>3) Need to improve financial supports from government in order to assist smoke fish activities throughout the islands in Tonga.</p> |
|--|--|---|--|-----------------|---|

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| | | <p>Fishermen to establish fish fence near SMA, 2 fishermen support letter, 1 x FAD fishing</p> <p>8 School Awareness Program (1 Tupouto'a College, Fafa Conservation day with GPS Popua Class 6, 6 x Act Primary School)</p> <p>12 Awareness articles (Kele'a newspaper)</p> <p>12 SMA Public Notice (Opening of New SMAs, Announcement of New SMAs for comments – Radio & Newspaper)</p> <p><u>Offshore (4)</u></p> <ul style="list-style-type: none"> - Refresher training of tuna vessel's skipper on Onshore system - Training workshop on Harvest Strategy & Stock Assessment - New migration of Snapper database | <p>Interested Secondary and Primary School</p> <p>Ministry of Fisheries</p> <p>SMA Communities</p> <p>Fishermen</p> <p>Donor partners</p> <ul style="list-style-type: none"> - Skipper of tuna vessels - Fisheries staff - Deepwater snapper fishermen | | |
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| | | into Tufan2 - NIWA - Trained of fishermen on small pelagic/baitfish fishing and lolligo trials <u>Aquaculture</u> 2 x Site visit (Beulah College form 6, Sopo fishermen association) | | | |
| Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries (Vava'u). | | | | | |
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | 25 (Vava'u) <u>Aquaculture (Pearl)</u> Pearl Farmers (13) -3 x Pearl farm training for post harvesting (3) Pearl farm training (4) SMAs Compliance Training (2) FAD Training to local fisher community (1) Aquaculture (Giant clams) SMA Data Collection | Ministry of Fisheries staffs Farmers SMA communities | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities. |

| | | | | | |
|--|----|--|--|--|--|
| Number of Higher standards training, capacity development and extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | 20 | 98 (Vava'u) Fisheries stakeholder engagement Approved Existing SMAs (15) -Quarterly monitor to all the 11 existing SMAs. (4) -Confirm Interest SMAs (2) -Consultation interested SMAs (2) -Giant Clams (7) Local Fishermen (44) (Registered under Fisheries Council via small scale) Organization (7) <u>Technical support</u> 17 x Royal Agricultural Show events | Ministry of Fisheries staffs Farmers 12 existing SMA communities | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff.to the SMA section and outer island 2) Improve working together with the communities. |
| Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries (Ha'apai) | | | | | |

| | | | | | |
|---|----|--|--|--|---|
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | 7 (Ha'apai) Internal Policy training, PMS training, Review JD training Register vessel Training, <u>Aquaculture (Pearl)</u> data market survey entry training, Carving Handicraft workshop <u>SMA Data Collection</u> | Ministry of Fisheries staffs Farmers 17 existing SMA communities | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff; 2) Time management. |
| Number of Higher standards training, capacity development and extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services) | 29 | 193 (Ha'apai) 17 x existing SMAs quarterly monitored & ongoing in Ha'apai = 51 2 x Confirm interest SMAs 3 Consultation with SMA Neighbouring communities | Ministry of Fisheries staffs Farmers SMA communities | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff; 2) Time management. |

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| & Support) | | <p>Pearl Farmers:</p> <p>60 x Checking and cleaning of 5 pearl farm twice a month</p> <p>3 x Deliver 100 juvenile clams to each of the 3 SMA (9)</p> <p>44 x Staff Meeting</p> <p>10 x Meeting with Ha'apai Governor with leaders</p> <p>14 x Royal Agricultural Show events</p> | | | |
| Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries ('Eua | | | | | |
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | <p>3 ('Eua)</p> <p><u>Inshore</u> 2 x SMA Catch data training</p> <p><u>Asset</u> 1 x Small engine training</p> | <p>Ministry of Fisheries staffs</p> <p>Farmers</p> <p>2 SMA communities</p> | <p>Sustainable economic development</p> <p>Sustainable environment management and resilience to climate change</p> <p>Sustainable and good governance</p> | <p>1) Recruit more staff; 2) Time management.</p> |
| Number of Higher standards training, capacity | 0 | <p>34 ('Eua)</p> <p>2 x new SMA</p> | <p>Ministry of Fisheries staffs</p> | <p>Sustainable economic development</p> | <p>1) Recruit more staff; 2) Time management.</p> |

| | | | | | |
|--|---|--|---|--|---|
| development and extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | | communities monthly monitored & ongoing in 'Eua = 24 10 x Fisheries stakeholder engagement 10 x Royal Agricultural Show events | SMA communities Fisheries stakeholders 'Eua Fishermen | Sustainable environment management and resilience to climate change Sustainable and good governance | |
| Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries (Niuatoputapu) | | | | | |
| Annual production (Number of training capacity development and extension service events implemented. (Trainings)) | 1 | 2 (NTT) <u>Aquaculture (Pearl)</u> 2 x Pearl training | Ministry of Fisheries staffs SMA communities Fisheries stakeholders Niuatoputapu Fishermen | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit more staff; 2) Time management. |
| Number of Higher standards training, capacity development and extension service events implemented, | 0 | 14 (NTT) 14 x Royal Agricultural Show events for Niuatoputapu | Ministry of Fisheries staffs SMA communities Fisheries stakeholders | Sustainable economic development Sustainable environment management and resilience to climate | 1) Recruit more staff; 2) Time management. |

| | | | | | |
|--|---|--|--|--|---|
| including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | | | Niutoputapu Fishermen | change Sustainable and good governance | |
| Output 15: Higher standards of trainings, capacity development, outer island extension and support services, for SMA communities, aquaculture operators and commercial fisheries (Niuafo'ou) | | | | | |
| Number of Higher standards training, capacity development and extension service events implemented, including support for cyclone and disaster resilience and adaptive rehabilitation capacity building (Extension Services & Support) | 0 | 9 (NFO) 9 x Royal Agricultural Show events for Niuafo'ou | Ministry of Fisheries staffs SMA communities Fisheries stakeholders Niutoputapu Fishermen | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance | 1) Recruit staff; 2) Time management. |
| Output 16: Increasingly focused offshore and inshore fishery resource research, monitoring, and assessment to support decision making. | | | | | |
| Inshore | | | | | |
| Number of assessments of key inshore and | 3 | 4 3x Inshore SMA baseline survey | Ministry of Fisheries SMA committee | Sustainable economic development Sustainable | 1) Recruit more staff; 2) Time management. |

| | | | | | |
|--|---|--|--|---|-----------------------|
| offshore fisheries resources.) | | <p>conducted at Vava'u (Tefisi, Oloua & Taoo),</p> <p>Ha'apai (Fakakakai, Pukotala, Ha'ano, Muiroa, Moungaone, Lofanga, 'Uiha), Tongatapu (Kanokupolu & 'Ahau)</p> <p>Socio-economic (1) survey for Kanokupulu and 'Ahau</p> <p>Sea cucumber baseline survey at Polo'a (1)</p> <p>Depletion method survey for Polo'a aqua area (1)</p> | <p>and SMAs communities</p> <p><u>SMA's Donors</u></p> <p>-VEPA (NGO's)</p> <p>-R2R Projects</p> <p>Government of Tonga</p> | <p>environment management and resilience to climate change</p> <p>Sustainable and good governance</p> | |
| Number of Scientific and data reports and information submitted to national, regional and international bodies | 3 | <p>4</p> <p>(Scientific reports submitted)</p> <p>-1 Baseline survey report for all SMA's</p> <p>- 1 Sea Cucumber farm monitoring survey report,</p> <p>- 1 Sea cucumber depletion method</p> | <p>Sea cucumber farmer</p> <p>Ministry of Fisheries staff</p> <p>Government of Tonga</p> <p>SMA's data collector and SMA</p> | <p>Sustainable economic development</p> <p>Sustainable environment management and resilience to climate change</p> <p>Sustainable and good governance,</p> <p>Food Security</p> | 1)Recruit more staff; |

| | | | | | |
|---|---|---|---|--|--|
| | | report - 1 Data and graphics for SMA Catch Data | communities | | |
| Output 16: Increasingly focused offshore and inshore fishery resource research, monitoring, and assessment to support decision making. | | | | | |
| Offshore | | | | | |
| Number of assessments of key inshore and offshore fisheries resources.) | 5 | 4 <u>Offshore assessment</u> - Tuna assessment - Snapper assessment - Squid assessment - Artisanal assessment - No bluenose assessment due to no bluenose fishing during this year | Ministry of Fisheries - SPC/ FFA & WCPFC - Fisheries stakeholder (fishing companies & fishermen) - Offshore fisheries (Tuna, Deep Water Snapper, Bluenose and deep-water squid) Government of Tonga | Sustainable economic development Sustainable environment management and resilience to climate change Sustainable and good governance, Food Security | 1) Recruit new port samplers and data entry officers 2) Improved data management (migration of deep-water snapper database into TufMan2 online database) 3) SPC training on ONSHORE & ONBOARD system, and TAILS application for data collection (tuna port sampling & artisanal respectively) 4) Training of new port samplers and skipper for implementation of onboard system Bait fishing trials under NIWA |

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|--|---|---|---|--|--|
| | | | | | project |
| Number of Scientific and data reports and information submitted to national, regional and international bodies | 7 | <p>6</p> <p>Annual and Quarterly reports of stock status for snapper, tuna, bluenose, deep water squid and artisanal fishery (4)</p> <ul style="list-style-type: none"> - Tuna fisheries reports - Snapper fisheries reports - Artisanal assessment report - Squid fisheries reports <p>Annual report submitted to regional and international bodies in accordance with deadlines (2)</p> <ul style="list-style-type: none"> - Annual Report Part 1 - Annual Catch Estimates to WCPFC and SPC | <ul style="list-style-type: none"> - Ministry of Fisheries - SPC/ FFA & WCPFC - Fisheries stakeholder (fishing companies & fishermen) - Offshore fisheries (Tuna, Deep Water Snapper, Bluenose and deep-water squid) <p>Government of Tonga</p> | <p>Sustainable economic development</p> <p>Sustainable environment management and resilience to climate change</p> <p>Sustainable and good governance, Food Security</p> | <p>Training needs</p> <ul style="list-style-type: none"> i. R training for data analysis reports ii. Quantum GIS mapping iii. Biological data analysis <p>Generate of quarterly report for tuna and snapper stock status using R.</p> |

Tuna Fishery

Table 2: The total catch (mt) and effort (hooks, no. of vessels and no. of trips) estimates for the National Fleets (Tonga flagged longline vessels), by primary species for the period July 2019 to June 2020. (Source: Dorado –Tufman Database Reports)

| Flag | Year | Month | Vessels | Trips | Fishing Days | 100s of Hooks | Tuna species | | | | | Marlin species | | | | Monthly Total | Total CPUE (kg/100 hooks) |
|-----------------|------|-------|---------|-------|--------------|---------------|--------------|--------|-----------|---------|----------|----------------|-------------|---------------|-----------|---------------|---------------------------|
| | | | | | | | Albacore | Bigeye | Yellowfin | Bluefin | Skipjack | Black Marlin | Blue Marlin | Stripe Marlin | Swordfish | | |
| Tonga | 2019 | Jul | 4 | 10 | 48 | 757 | 1.6 | 0.8 | 4.6 | 0.0 | 0.1 | 0.1 | 2.5 | 1.4 | 0.9 | 11.8 | 15.6 |
| | | Aug | 5 | 14 | 68 | 1106 | 3.3 | 1.5 | 9.6 | 0.0 | 0.1 | 0.5 | 3.2 | 1.3 | 2.9 | 22.3 | 20.1 |
| | | Sep | 5 | 16 | 69 | 1091 | 2.8 | 1.0 | 14.5 | 0.0 | 0.3 | | 4.3 | 2.3 | 3.6 | 28.9 | 26.5 |
| | | Oct | 5 | 13 | 75 | 1224 | 2.2 | 0.8 | 20.2 | 0.0 | 0.1 | 1.1 | 4.1 | 0.9 | 3.9 | 33.3 | 27.2 |
| | | Nov | 4 | 15 | 76 | 1200 | 3.5 | 1.1 | 19.4 | 0.0 | 0.2 | 1.6 | 5.3 | 3.7 | 3.9 | 38.5 | 32.1 |
| | | Dec | 5 | 14 | 66 | 945 | 1.5 | 0.8 | 19.1 | 0.0 | 0.6 | 0.2 | 5.1 | 2.5 | 1.0 | 30.8 | 32.6 |
| | 2020 | Jan | 4 | 11 | 50 | 770 | 0.9 | 1.0 | 13.3 | 0.0 | 0.1 | 0.3 | 1.4 | 0.0 | 1.8 | 18.7 | 24.3 |
| | | Feb | 5 | 18 | 80 | 1290 | 1.8 | 0.7 | 25.7 | 0.0 | 0.0 | 0.4 | 3.5 | 0.8 | 0.7 | 33.6 | 26.0 |
| | | Mar | 5 | 12 | 68 | 981 | 0.7 | 1.2 | 16.2 | 0.0 | 0.4 | 0.7 | 3.1 | 0.2 | 0.6 | 23.2 | 23.6 |
| | | Apr | 2 | 4 | 20 | 291 | 0.1 | 0.1 | 2.9 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 4.1 | 14.0 |
| | | May | 3 | 6 | 30 | 463 | 2.2 | 2.2 | 8.1 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.6 | 14.0 | 30.2 |
| | | Jun | 3 | 5 | 33 | 467 | 2.0 | 1.2 | 8.4 | 0.0 | 0.2 | 0.0 | 1.0 | 0.1 | 1.4 | 14.2 | 30.4 |
| TOTAL 2019-2020 | | | | 138 | 683 | 10585 | 22.5 | 12.4 | 161.8 | 0.0 | 2.2 | 4.9 | 35.2 | 12.9 | 21.3 | 273.2 | |

Figure 8: Historical catch (mt) and effort (kg in 100 hooks), by primary species for Tonga flagged vessels active in Tonga EEZ for the period of July 2019 – June 2020

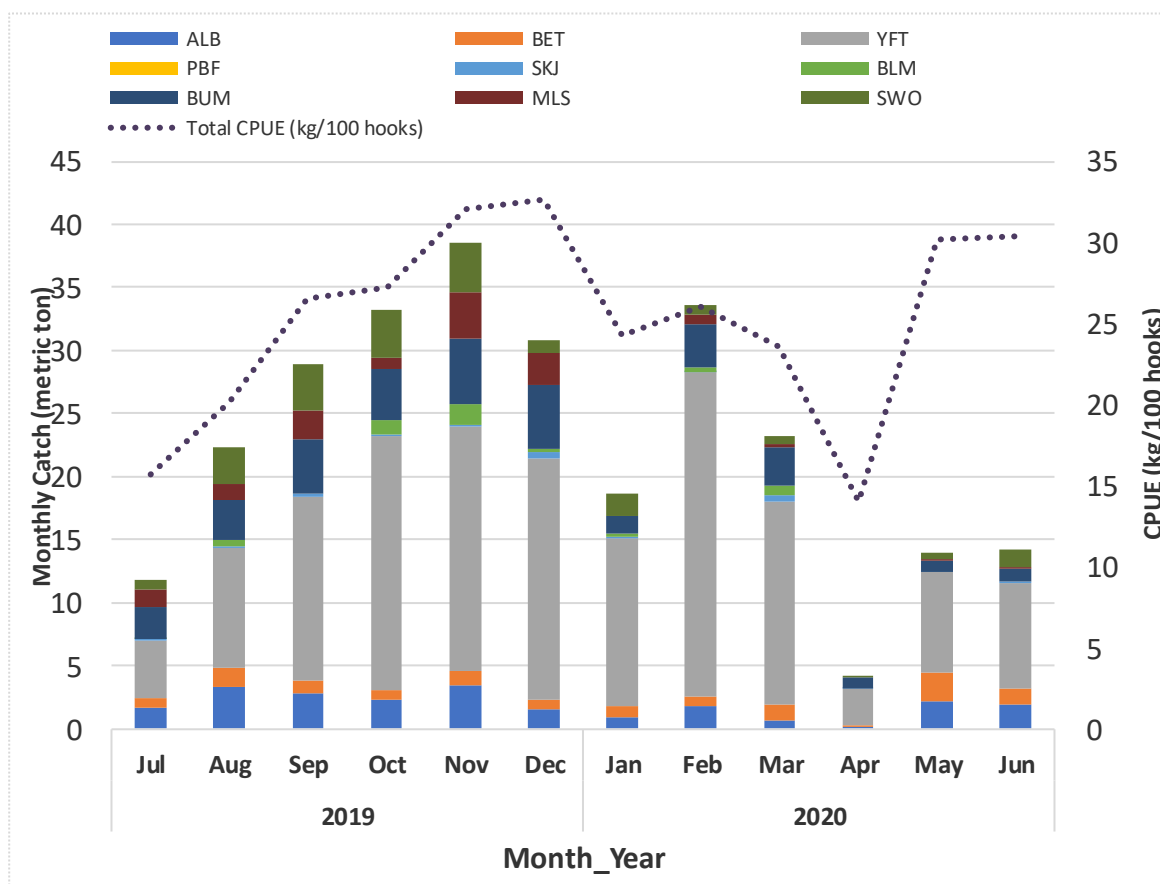


Table 3: The estimated catches (mt) of non-target and by-catch species, including sharks, by the National longline Fleets, in the Tonga EEZ, for years 2019/20 FY.

(Source: Dorado reporting tool, report 12)

| Flag | Non-Target Species | 2019 | | | | | | 2020 | | | | | | Total |
|-------|---------------------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-------|
| | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | |
| TONGA | Shortbill spearfish | 0.8 | 2.1 | 2.3 | 1.4 | 1.0 | 0.2 | 0.0 | 0.2 | 0.1 | 0.1 | 0.3 | 0.4 | 8.8 |
| | Mahimahi | 14.9 | 20.1 | 19.2 | 18.8 | 13.4 | 11.4 | 3.7 | 5.5 | 5.3 | 3.0 | 2.7 | 2.0 | 120.1 |
| | Sailfish | 1.4 | 2.3 | 1.1 | 1.4 | 1.5 | 2.0 | 1.2 | 1.0 | 0.9 | 0.6 | 0.2 | 0.4 | 13.9 |
| | Wahoo | 0.5 | 0.5 | 0.7 | 0.7 | 1.0 | 0.9 | 1.2 | 1.0 | 0.5 | 0.1 | 0.2 | 0.5 | 7.8 |
| | Mako Sharks | 0.9 | 1.7 | 1.9 | 1.1 | 1.2 | 0.6 | 0.1 | 0.4 | 0.0 | 0.1 | 0.3 | 0.5 | 8.8 |
| | Barracuda | 0.1 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.7 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 4.7 |
| | Otherfish | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Monthly Total | 18.5 | 26.9 | 25.5 | 24.0 | 18.8 | 15.8 | 6.8 | 9.2 | 7.3 | 3.8 | 3.6 | 3.9 | 164.2 |

Table 4: Catches (metric tonnes) and effort (hooks) of the primary species for Foreign Fishing Vessels during the period of July 2019 – June 2020. (Source: Dorado –Tufman Database Reports)

| Flag | Year | Month | Vessels | Trips | Fishing Days | 100s of Hooks | Tuna species | | | | | Marlin species | | Stripe Marlin | Swordfish | Monthly Total | Total CPUE (kg/100 hooks) |
|-------------------------------|------|-------|---------|-------|--------------|---------------|--------------|--------|-----------|---------|----------|----------------|-------------|---------------|-----------|---------------|---------------------------|
| | | | | | | | Albacore | Bigeye | Yellowfin | Bluefin | Skipjack | Black Marlin | Blue Marlin | | | | |
| Foreign Fishing Vessels (FFV) | 2019 | Jul | 10 | 12 | 230 | 6644 | 185.4 | 11.3 | 55.8 | 0.0 | 5.4 | 0.1 | 6.0 | 1.8 | 2.6 | 268.4 | 40.4 |
| | | Aug | 10 | 10 | 273 | 7914 | 191.6 | 9.0 | 70.0 | 0.0 | 2.6 | 0.7 | 6.4 | 3.8 | 2.6 | 286.8 | 36.2 |
| | | Sep | 9 | 12 | 165 | 4691 | 84.7 | 5.2 | 52.0 | 0.0 | 3.9 | 0.3 | 3.6 | 5.0 | 2.5 | 157.2 | 33.5 |
| | | Oct | 9 | 12 | 215 | 6234 | 94.5 | 9.0 | 89.6 | 0.0 | 3.1 | 0.3 | 9.4 | 9.1 | 5.2 | 220.3 | 35.3 |
| | | Nov | 10 | 11 | 251 | 7319 | 130.7 | 9.0 | 59.2 | 0.0 | 0.7 | 0.4 | 8.6 | 15.3 | 7.7 | 231.7 | 31.7 |
| | | Dec | 10 | 13 | 193 | 5673 | 145.5 | 6.0 | 39.0 | 0.0 | 1.8 | 0.4 | 5.5 | 2.6 | 2.2 | 203.1 | 35.8 |
| | 2020 | Jan | 10 | 11 | 207 | 5950 | 53.8 | 6.1 | 60.4 | 0.0 | 1.8 | 0.2 | 4.4 | 0.3 | 1.2 | 128.3 | 21.6 |
| | | Feb | 10 | 13 | 224 | 6539 | 91.8 | 5.6 | 45.4 | 0.0 | 1.4 | 1.3 | 6.5 | 0.5 | 1.4 | 153.8 | 23.5 |
| | | Mar | 9 | 13 | 204 | 5839 | 80.3 | 8.1 | 82.3 | 0.0 | 5.9 | 0.7 | 7.3 | 0.6 | 1.1 | 186.5 | 31.9 |
| | | Apr | 9 | 10 | 192 | 5490 | 86.5 | 8.2 | 41.7 | 0.0 | 1.7 | 0.3 | 3.7 | 0.2 | 1.1 | 143.3 | 26.1 |
| | | May | 6 | 9 | 143 | 4302 | 78.9 | 8.4 | 61.5 | 0.0 | 3.2 | 0.2 | 4.5 | 1.5 | 0.4 | 158.6 | 36.9 |
| | | Jun | 6 | 7 | 142 | 4255 | 91.1 | 6.8 | 80.7 | 0.0 | 6.3 | 0.3 | 2.1 | 1.2 | 1.5 | 190.0 | 44.7 |
| TOTAL 2019-2020 | | | | 133 | 2439 | 70850 | 1314.9 | 92.8 | 737.7 | 0.0 | 37.9 | 5.1 | 68.1 | 42.1 | 29.4 | 2328.0 | |

Table 5: Catches (metric tonnes) for non-target species for the Foreign Fishing Vessels for the period of July 2019 – June 2020

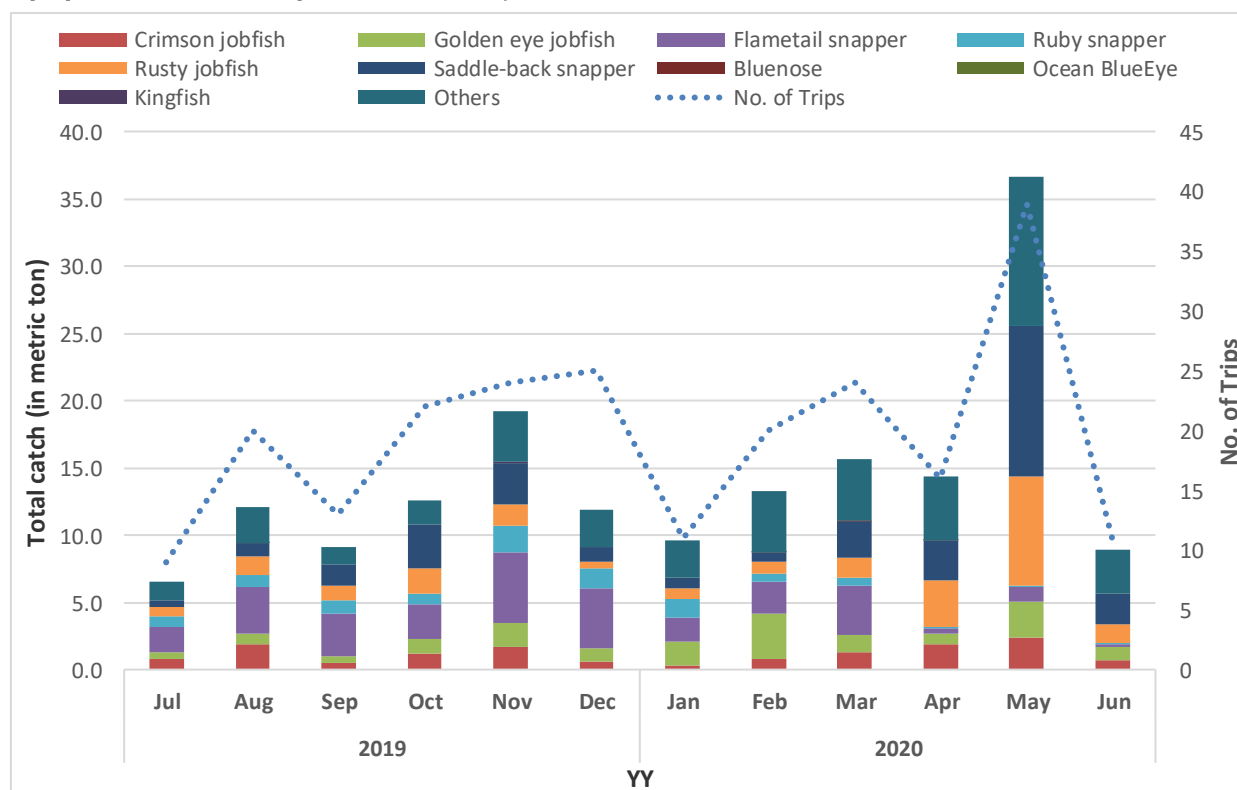
| Flag | Non-Target Species | 2019 | | | | | | 2020 | | | | | | Total |
|-------------------------------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | |
| Foreign Fishing Vessels (FFV) | Shortbill spearfish | 3.0 | 6.6 | 4.3 | 5.1 | 2.9 | 0.5 | 0.4 | 0.2 | 0.6 | 1.4 | 2.2 | 2.2 | 29.3 |
| | Mahimahi | 3.0 | 5.5 | 4.4 | 7.0 | 4.6 | 1.8 | 1.2 | 1.4 | 2.3 | 2.0 | 2.0 | 0.6 | 36.1 |
| | Sailfish | 0.7 | 0.7 | 0.2 | 1.0 | 0.7 | 0.5 | 0.9 | 0.3 | 1.2 | 0.6 | 0.6 | 0.5 | 7.9 |
| | Wahoo | 4.7 | 2.4 | 3.2 | 7.1 | 6.1 | 6.6 | 7.1 | 4.2 | 4.7 | 2.9 | 2.6 | 1.9 | 53.5 |
| | Mako Sharks | 2.2 | 3.2 | 1.9 | 2.6 | 3.4 | 1.1 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 1.0 | 18.2 |
| | Barracuda | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.7 |
| | Blue Sharks | 7.7 | 6.8 | 5.2 | 6.1 | 5.8 | 4.9 | 4.9 | 6.8 | 3.3 | 6.5 | 8.4 | 5.6 | 72.1 |
| | Moonfish | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| | Otherfish | 4.4 | 8.1 | 5.8 | 17.2 | 24.2 | 16.5 | 8.3 | 5.4 | 2.8 | 3.0 | 3.5 | 2.2 | 101.5 |
| | Monthly Total | 25.7 | 33.4 | 25.2 | 46.2 | 48.2 | 32.3 | 23.5 | 18.8 | 15.7 | 16.7 | 20.1 | 14.0 | 319.8 |

Deepwater Snapper Fishery

Table 6: Total monthly catches main Deepwater snapper species and bycatch, for the period of July 2019 – June 2020. (Source: Tufman2 database)

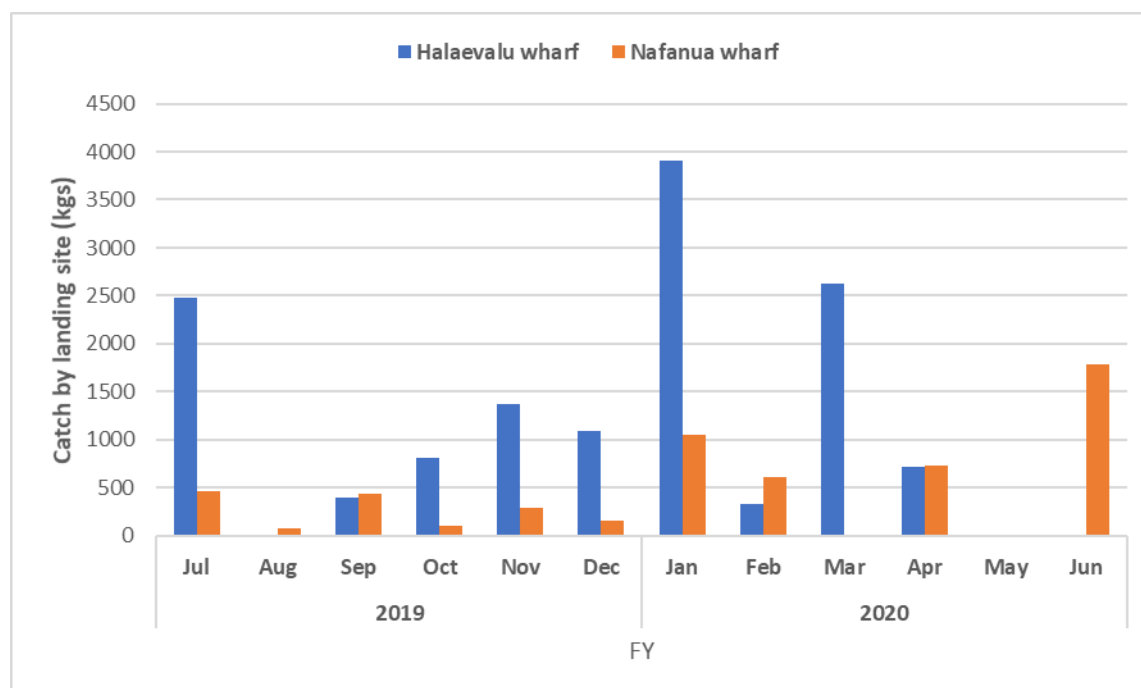
| Year | Month | No. of Trips | Crimson jobfish | Golden eye jobfish | Flametail snapper | Ruby snapper | Rusty jobfish | Saddle-back snapper | Bluenose | Ocean BlueEye | Kingfish | Others | Monthly Catch Total |
|---------------|-------|--------------|-----------------|--------------------|-------------------|--------------|---------------|---------------------|----------|---------------|----------|--------|---------------------|
| 2019 | Jul | 9 | 0.8 | 0.5 | 1.9 | 0.8 | 0.6 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 | 6.6 |
| | Aug | 20 | 1.9 | 0.8 | 3.5 | 0.9 | 1.3 | 1.0 | 0.0 | 0.0 | 0.0 | 2.7 | 12.1 |
| | Sep | 13 | 0.5 | 0.5 | 3.2 | 1.0 | 1.1 | 1.6 | 0.0 | 0.0 | 0.0 | 1.2 | 9.1 |
| | Oct | 22 | 1.1 | 1.2 | 2.5 | 0.8 | 1.9 | 3.2 | 0.0 | 0.0 | 0.0 | 1.8 | 12.6 |
| | Nov | 24 | 1.7 | 1.8 | 5.2 | 2.0 | 1.5 | 3.1 | 0.0 | 0.0 | 0.1 | 3.7 | 19.2 |
| | Dec | 25 | 0.6 | 1.0 | 4.5 | 1.5 | 0.5 | 1.1 | 0.0 | 0.0 | 0.0 | 2.8 | 11.8 |
| 2020 | Jan | 11 | 0.3 | 1.8 | 1.8 | 1.4 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 2.7 | 9.6 |
| | Feb | 20 | 0.8 | 3.4 | 2.3 | 0.7 | 0.8 | 0.7 | 0.0 | 0.0 | 0.0 | 4.5 | 13.3 |
| | Mar | 24 | 1.2 | 1.3 | 3.7 | 0.6 | 1.4 | 2.7 | 0.0 | 0.0 | 0.0 | 4.5 | 15.6 |
| | Apr | 16 | 1.9 | 0.8 | 0.3 | 0.1 | 3.5 | 3.0 | 0.0 | 0.0 | 0.0 | 4.8 | 14.4 |
| | May | 39 | 2.3 | 2.7 | 1.1 | 0.1 | 8.1 | 11.1 | 0.0 | 0.0 | 0.0 | 11.1 | 36.6 |
| | Jun | 11 | 0.7 | 0.9 | 0.2 | 0.1 | 1.4 | 2.2 | 0.0 | 0.0 | 0.0 | 3.3 | 8.9 |
| Species Total | | | 13.9 | 16.7 | 30.3 | 9.9 | 23.0 | 31.2 | 0.0 | 0.0 | 0.2 | 44.7 | 169.9 |

Figure 9: Monthly total catches (in metric tons) for main deep-water snapper species and number of trips per month for the periods from July 2019 to June 2020.



Artisanal Fisheries

Figure 10: Monthly catch for artisanal fisheries by landing site (*Halaevalu wharf, Vava'u and Nafanua wharf, 'Eua*) for the period of Jul 2019 – Jun 2020.

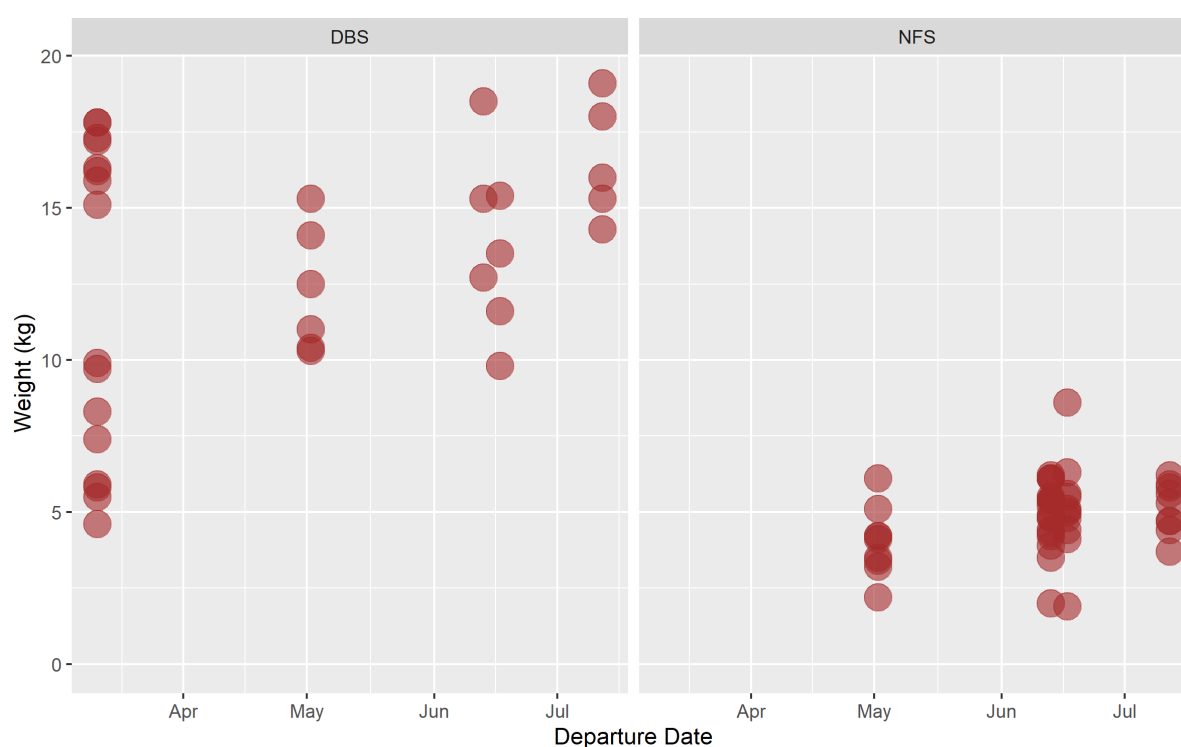


Squid Fisheries

Table 7: Total catch (in kg) and effort (number of hooks) for Diamond Back (DBS_W) and Neon Flying (NFS_W) squid for 2019/20 FY.

| Year | Month | Soak Time (hrs) | VLL_No | Number of hooks | Catch | | | |
|------|-------|-----------------|--------|-----------------|-------|-------|-----|-------|
| | | | | | DBS | DBS_W | NFS | NFS_W |
| 2019 | Jul | 6 | 12 | 48 | 5 | 83 | 9 | 47 |

Figure 11: Available landing data for Diamondback (DBS) and Neon Flying squid (NFS) for 2019. Sampling assessment of weight versus time shows a pattern of weight increase during Autumn & Winter (May – July) for DBS, with no much change for NFS. No fishing record during Jan – Jun 2020.



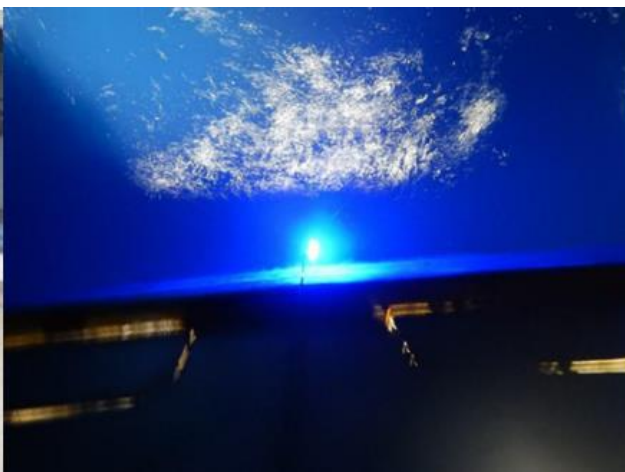
Deepwater Squid Fishing



Lolligo squid fishing



Small pelagic Bait fishing (Lift Net)



Aquaculture and Vast Ocean Sea Cucumber Spawning

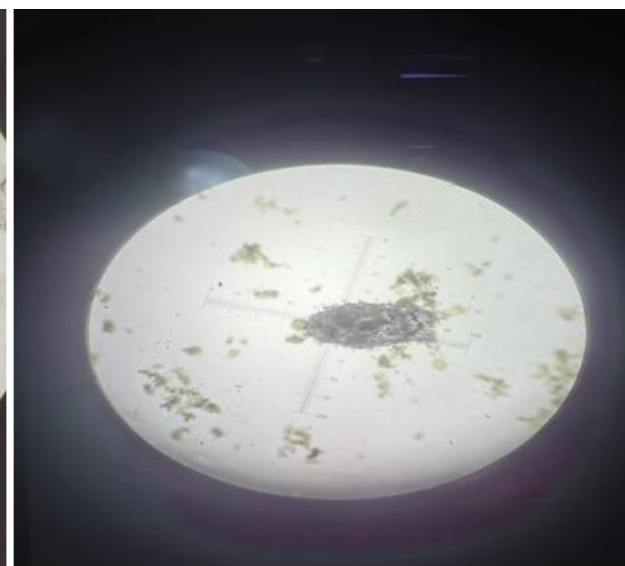
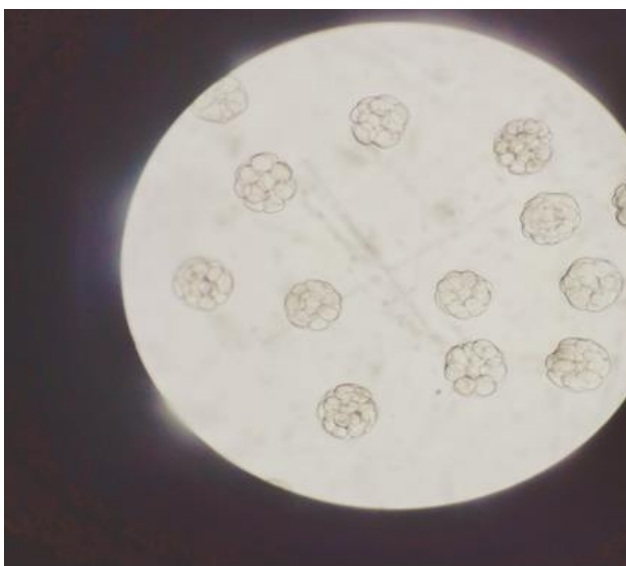


Table 8: Sea Cucumber Spawning Events 2019-2020 Summer Season

| Date | Species | No of Brood-stocks | Juveniles |
|------------|---------------------------|--------------------|-----------------|
| 10/12/2019 | Golden sandfish (Nga'ito) | 60 | 70 million eggs |
| 14/05/2020 | Golden sandfish (Nga'ito) | 60 | 15 million eggs |
| 19/05/2020 | Golden sandfish (Nga'ito) | 113 | 40 million eggs |

Sea Urchin Spawning

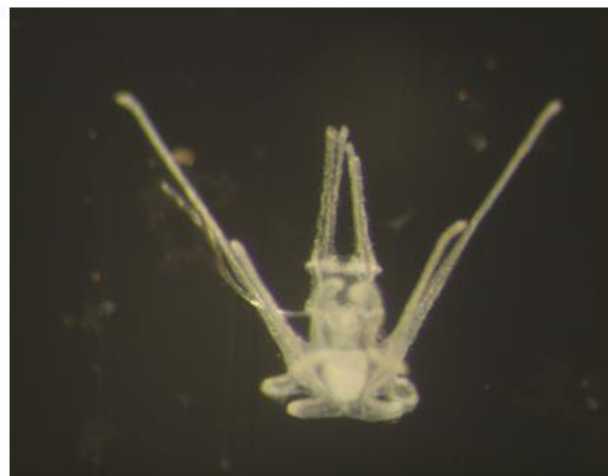
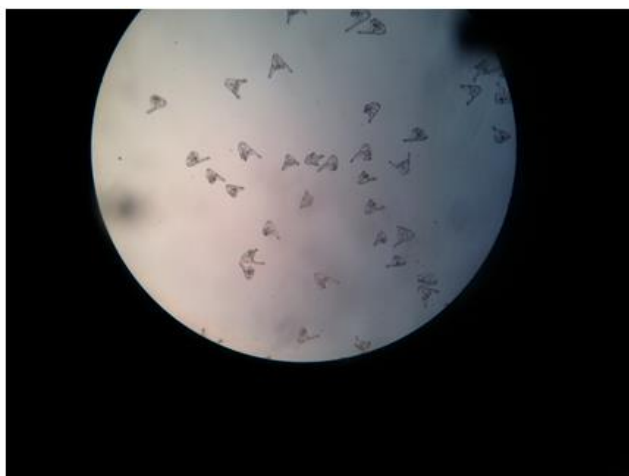


Table 9: Sea Urchin Spawning Events 2019-2020 Summer Season

| No of Brood-stocks | Spawning date | Sea urchin juveniles |
|----------------------------------|---------------|----------------------|
| 12 brood-stocks from Polo'a area | 17/12/2019 | 50 million eggs |

Community Section

Workshop on Development Coastal Community Management Plan (CCMP)



CCMP workshop at Puke Community

Small-scale fisheries operation training



CCMP workshop at Talafo'ou

Small-scale fisheries operation training



Outdoor practical

Royal Agriculture and Fisheries, Tourism and Trade (RAFTT) 2019/20

The Royal Agriculture and Fisheries show for this financial year was delaying during to the covid-19 pandemic. However, the 2019 RAFTT commenced from Tongatapu around June 2019 and to the outer islands started from Ha'apai, Vava'u, Niuafo'ou, Niuatopotapu and 'Eua around July to August 2019.

Ha'apai



Vava'u



Niufo'ou



Niutoputapu



2.2.6 Fisheries Compliance Division

| TSDF II Outcomes A: A more inclusive, sustainable and dynamic, knowledge-based economy. D: More inclusive, sustainable and responsive good governance with strengthened rule of law. F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk. | | | | | |
|---|---------|--|--|---|---|
| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
| Output 17: More effective compliance and licensing services with effective regulatory programs that deter illegal fishing. | | | | | |
| Annual review (MCS policies/SOPs) | 3 | 10 i) SOP's -Sea cucumbers process and harvesting - National Port State Measure - Boarding and Inspection of Fishing vessels - Tonga Quality Inspection | Ministry of Fisheries, Police, HMAF (Navy), Custom, Port Authority | - Failure of staff to follow the standard of procedure when investigating illegal fishing, boarding a vessel, and play their role as an authorized officer. - Lack of providing accurate and timely information hence keeping good records on activities being done and what is left to be done and improved. - Need more training on compliance operation procedures - COVID 19 affects a few | - Involved all the FCD staff including the outer island on developing the OCS so that they understand the policy. - Using online zoom meeting for developing and review of MCS policies has been approved by the PMU to fund. -Conduct training on MCS policies and SOP's |

| | | | | | |
|--|-----|--|--|--|---|
| | | <ul style="list-style-type: none"> - Port Entry Inspection - Unlicensed - Fishing Vessels request to entry - IUU Fishing Vessels within EEZ - Niue Treaty Subsidiary Agreement - Form Boarding Inspection for Tuna Fishing vessels and Snapper Fishing - 72 Notification for FV prior arrival on port | | policies that have been planned to develop and review. | |
| Number of inspections and patrolling, enforcement conducted in | 120 | 209 - 67 x inspection of fishing vessels | Ministry of Fisheries, Ministry of Police, Vessels masters and Tonga Navy (HMAF) | -Inconsistency of inspection method and timeframe of doing this task as such that the SOP is not followed accordingly; this can be | -Every case brought into the attention of the division should be considered and prioritise whether it is a low/medium risk or high-risk |

| | | | | | |
|------------------------|--|---|--|---|--|
| accordance with SOP's. | | <ul style="list-style-type: none"> - 59 x aquariums Inspection - 36 x fish fences Inspection - 4 x giant clams Inspection and - 43 x enforcements conducted. <p>Target achieved for sea patrolling and surveillance.</p> <ul style="list-style-type: none"> - There are 3 regionals surveillance operation (Kurukuru, Island Chiefs & Ika Moana) - 4 National surface patrols funded by AUSAID and NZAID - 4 x Joint Operation with | | <p>due to a shortage of staff hence lack of mini-training internally to train them in a proper manner</p> <ul style="list-style-type: none"> -No Bilateral Agreement with flag States (China/Fiji) on enforcing the PSMA causes the foreign vessels to fall back on compliance with license Term and Conditions. -Target achieved for sea patrolling and surveillance. There are 3 regional surveillance operation (Kurukuru, Island Chiefs & Ika Moana) and 4 National surface patrols funded by AUSAID and NZAID, and 4 Joint Operation with Police Maritime Force during the reported period -Insufficient fund in the budget to conduct the enforcement (land and sea) | <p>offence, so that decision and enforcement act apply to the case is reasonable and managed accordingly in terms of prosecution or official warning.</p> <ul style="list-style-type: none"> - Closely collaborate with related Ministries and related agencies especially the donors from overseas which funded patrols and aerial surveillance. - Increase the budget allocation to financial support the Joint operation planned for combatting the IUU Fishing in Tonga. |
|------------------------|--|---|--|---|--|

| | | | | | |
|---------------------------------------|------|--|---|---|--|
| | | Police Maritime | | | |
| Number of licences issued | 95 | 80 10 x Foreign Fishing Vessels 24 x Local Snapper Vessels 24 x Fish Fences 8 x Commercial Sport Fishing Vessels 3 x Aquaculture Development Licenses 5 x Aquarium Fish Export 6 x Fish Processing & Export License | Ministry of Fisheries, License vessel operators, fish processing and export license, Aquaculture license | Fisheries licensee(s) delays the renewal of their license | Consistent reminder to fisheries licensee regarding their license expiration date to be renewed prior to their fisheries activities. |
| % of certificate processed and issued | 100% | 100% 100% of all certificates being requested are issued accordingly | Ministry of Fisheries, Vessel masters, Fisheries License, Public – export marine resources (cargo) for home consumption | | Ensure all the fisheries licensee is fully complying with the requirements set out by the Ministry prior to processing their requests. |

| | | | | | |
|--|---|--|--|--|---|
| % of Agreement implemented (PSMA, CITES) | 4 | 5 1 CITES Implementation, 4 PSMA, NTSA | Ministry of Fisheries, Line Ministries, License holders, Vessel masters, Aquarium operators, Exporters, Local fishers, Local communities | <p>-There is no formal legislation for CITES to follow at the moment except for the Fisheries Management Plan, terms and conditions issued with the license are used to effectively enforced the CITES to the public.</p> <p>The License holders are not aware of this convention record-keeping for CITES cases and reports</p> <p>- The Privy Council ratified the PSMA to implement.</p> <p>- MOU with the Government Task Force Team has been signed.</p> <p>- MCS report and NTSA Annex's was submitted to FFA for annual review and Tonga Part 2 report was submitted to WCPFC for compliance review.</p> <p>- 1 x Regional PSMA training for relevant Ministries was conducted in Fiji and developed a National PSMA standard of procedure to</p> | <p>- Drafting of CITES legislation for the Ministry to follow and easy to refer to when such cases arise</p> <p>- A new CITES formatted permit being proposed for the Ministry of Fisheries to use</p> <p>- Broadcasting program for the public to be aware of CITES and its benefit to Tonga in terms of export/import and conserving our endangered marine species for the future generation.</p> <p>- Lack of coordination between the Line Ministries</p> <p>- No integrated system at national level for sharing the intelligence information</p> <p>- Increase public awareness on Port State Measure Agreement that Privy Council has been ratified in</p> |
|--|---|--|--|--|---|

| | | | | | |
|---|----|---|--|---|--|
| | | | | assist the Task Force. | late 2019. - Conducted more training on using the NTSA within the related government department, because COVID-19 pushed FFA members to use the system on surveillance operation. |
| Output 18: Increasingly targeted compliance programs for international and domestic fishing activity to deter illegal fishing. | | | | | |
| Number of trips | 12 | 33 17-Foreign Fishing Vessels 8- Local Fishing Vessels 6-Cook Island flagged vessels 2-US Treaty Vessels. | Ministry of Fisheries, Fisheries Observers, Fishing Companies/Agents | -Target achieved, there was an increase in the number of observer deployments due to increase in the number of licensed Longline Tuna vessels COVID-19 issue | Recruit more observers to gather for Foreign fishing vessels observer coverage which is 100% coverage. Sometimes observers are offloaded to participate in some training and workshops |
| Number of Vessel Monitoring system snapshot provided for each vessel. | 55 | 70 | Ministry of Fisheries, Vessel Owners, Vessel Masters and Agents | Target achieved despite the decrease in number of licensed foreign fishing vessels due to COVID-19 restrictions | Stand-alone Internet connection for VMS |

2.2.7 PROP Project Management Unit (PMU)

TSDf II Outcomes

A: A more inclusive, sustainable and dynamic, knowledge-based economy.

D: More inclusive, sustainable and responsive good governance with strengthened rule of law.

F: A more inclusive, sustainable and effective land administration, environment management, and resilience to climate and risk.

| Key Performance Indicators (KPIs) | Targets | Achievements (based on the targets and KPIs.) | Beneficiaries | Cross cutting implications | Future plans |
|--|---------|---|---|---|---|
| Output 19: Implementation of the Tonga Fisheries Sector Plan (TFSP), including effective governance of the World Bank funded Tongafish Pathway project. | | | | | |
| Monthly report to CEO | 12 | Y | Ministry of Fisheries, Line Ministries and Sector | Formal reporting period begins July 2019– June 2020 and ongoing | From July, monthly reports to CEO/HODs due second week of the following month. From August, quarterly Finance, Procurement and M&E Report submission begins. |
| Annual report for Tonga pathway project (World bank project management requirements) | 1 | Due in October 2020 | PMU, Ministry of Fisheries and World Bank | Revised templates to be used by all IDA 18 Projects. | To complete and submit Annual report for Tonga pathway project. |

*Y/N (yes/no)

2.3 Financial Management

2.3.1 Budget

The total Budget for Expenditure increased from \$4,260,200 in 2018/19 to \$4,587,200 in 2019/20. Revenue collected from target sources increased by \$126,243 from \$3,399,958 in 2018/19 to \$3,526,202 in 2019/20.

The salary allocation accounted for FY 2019/20 is the largest share of the budget accounting for 48% of the approved budget; the operating budget accounted for the remaining portion i.e. 52%. The details of the budget allocation are provided in Table below.

Fund Comparison by major component for FY 2018/19 – FY 2019/20

| Expenditure by Major Component | 2018/19 (T\$) | 2019/20 | Variance |
|-------------------------------------|------------------|------------------|----------------|
| Established staff (10) | 2,007,400 | 2,209,500 | 202,100 |
| Un-established staff (11) | 42,600 | 15,500 | (27,100) |
| Travel and Communication (12) | 624,000 | 487,800 | (136,200) |
| Maintenance and Operations (13) | 413,500 | 386,100 | (27,400) |
| Purchase of Goods and Services (14) | 798,000 | 737,200 | (60,800) |
| Grants and Transfers (15) | 121,300 | 142,300 | 21,000 |
| Assets (20) | 253,400 | 608,800 | 355,400 |
| Total | 4,260,200 | 4,587,200 | 327,000 |

2.3.2 Revenue Performance

Total revenue reported was \$3,526,202, of which \$2,159,093 (61%) was received as proceeds from the Multilateral Treaty on Fisheries with the USA; \$294,294 (8%) was received from Fishing Licenses, \$760,479 (22%) received from Rental and the remaining 9% (\$312,336) from the sale of produces and products.

Revenue Performance for Target sources

| Sources | Budget 2019/20 | Collecting as at 30 June 2020 | Plus/minus balance | Percentage (%) |
|------------------------------|-------------------|-------------------------------------|-----------------------|-------------------|
| FFA treaty | 1,400,000 | 2,159,093 | 759,093 | 154% |
| Sales of produces & products | 76,000 | 312,336 | 236,336 | 411% |
| Rental | 877,300 | 760,479 | - 116,821 | 87% |
| License | 646,700 | 294,294 | - 352,406 | 46% |
| Grand Total | 3,000,000 | 3,526,202 | 526,202 | 118% |

Revenue Performance from non- target sources and development projects

| Sources | Revote / Collecting from 2018/19 | New Fund 2018/19 | Budget Revised | Actual | Collecting 2019/20 | Remain balance as at 30 th June 2019 | Percenta ge (%) |
|------------------------|--|---------------------|-------------------|----------------|-----------------------|--|--------------------|
| CT | 109,187 | | | | 129,729 | - | |
| Fish bond | 1,600 | | | | 900 | - | |
| Development project | 1,387,131.29 | ,89,153.56 3 | 1,776,28 5 | 465,295 | 334,198.4 0 | 1,310,990 | |
| Grand Total | 1,496,318 | 389,154 | 1,776,285 | 465,295 | 1,441,618 | 1,310,990 | 73.8% |

Comparison of Budget and Actual Amount collected FY2018/19 and FY2019/20

| Revenue Sources | FY2018/19 | FY2019/20 | Variances |
|---------------------------------|------------------|------------------|-------------------|
| Target Sources | 3,000,000 | 3,000,000 | - |
| Sales of produce and product | 58,691 | 312,336 | 253,645 |
| FFA (US Treaty) | 2,374,664 | 2,159,093 | -215,571 |
| Rentals | 606,329 | 760,479 | 154,150 |
| Licences | 360,275 | 294,294 | -65,981 |
| S/Total | 3,399,958 | 3,526,202 | 126,243 |
| | | | |
| Consumption Tax | 109,187 | 129,729 | 20,542 |
| Fish Bond | 1,600 | 900 | -700 |
| Development projects | 1,780,037 | 334,198 | -1,445,839 |
| S/Total | 1,890,824 | 464,827 | -1,425,997 |
| G/Total | 5,290,782 | 5,290,782 | -1,299,754 |

2.4 Procurement

| Financial Year | No. of Received Proposals | No. of Endorsed Proposals | No. of Compliance | No. of Non-compliance | % of Compliance | % of Non-Compliance |
|----------------|---------------------------|---------------------------|-------------------|-----------------------|-----------------|---------------------|
| 2018 - 2019 | 5 | 4 | 4 | 0 | 100% | 0% |
| 2019 - 2020 | 6 | 4 | 4 | 0 | 100% | 0% |

| Method of Procurement | 2018 – 2019 FY | 2019 – 2020 FY |
|-----------------------------|----------------|----------------|
| Request for Quotation (RFQ) | 3 | 3 |
| National Bidding | 0 | 1 |
| International Bidding | 0 | 0 |
| Limited Bidding | 3 | 0 |
| Single Source | 0 | 0 |
| Restricted Bidding | 0 | 0 |

2.5 Assets Management

Ministry of Fisheries Asset Registry as of 30 June 2020

| Fixed Asset Registry Items | FY 2018/19 Cost | FY 2019/20 Cost | Notes |
|--|-----------------|-----------------|--|
| Building and Infrastructure | \$12,541,259.04 | \$12,777,245.37 | Building of new Fisheries office, Haápai. |
| Vehicles | \$398,521.34 | \$504,110.38 | Increase costing due to the increase in number of vehicle (12 x vehicles) |
| Computer Software | 1806.36 | 1696.00 | Still remain |
| Computer Hardware | \$110,740.32 | \$238,267.65 | Cost increased due to fill in vacant positions and upgraded of ICT infrastructure. |
| Other Plant and Equipment (i.e. Printers, Scanners, Office equipment) | \$218,712.23 | \$342,886.33 | Cost increased due to fill in vacant positions and upgraded of ICT infrastructure. |
| Furniture & | \$50,329.17 | \$66,107.39 | Cost increased due to the staff |

| | | | |
|--------------------------------------|------------------------|------------------------|---|
| Fittings (i.e. Desk, Shelves) | | | recruitment and replacement of old office furniture. |
| Equipment | \$35,401.82 | \$73,937.77 | Cost increased due to the increased of staff recruitment. |
| Total Cost | \$13,356,770.28 | \$14,004,250.89 | Increase by 4.85 % |

3. Significant issues/challenges

3.1 Issues/Challenges

| Division | Challenges | Way forward |
|---|--|--|
| Cross cutting issue | Implementation of the current Performance Management System | Bi-annual refresher training on PMS rating and remarks |
| | Shortage of staff | Delaying in confirm fund, waiting for the uplift of freezing of recruitment |
| | Budget limitation | Increase the Ministry's Budget allocation with strong justification and include in the CP |
| | Lack of quality technical equipment (boat and vehicle) | Seeking additional funds to donors |
| | Lack of Project Development and Management skills/experience | Provide training on project development and management |
| | Lack of capacity building training (short-term and long-term) | Provide Annual Training needs for MoF, seek donor fund |
| | Lack of infrastructure such as office buildings | Seeking additional funds to donors and increase the Ministry's Budget allocation with strong justification |
| CEO office | Technical equipment for media | Seeking additional funds to donors and increase the Ministry's Budget allocation with strong justification |
| | Training techniques relevancy for communities | Develop appropriate training techniques |
| Fisheries Science Division (FSD) | Effective legislation for SMAs and commercial fisheries. | Revised the SMA Regulation |
| | Expand hatchery facilities including Vava'u to accommodate two species per hatchery run at a time. | Need funding and land space |
| | Improving live algae production for better larval survival rate. | Building capacity of staff and improve laboratory equipment for algal culture. |
| | Increasing giant clam production | Need more staff for aquaculture |

| | | |
|--|---|---|
| | to accommodate demand from aquarium markets. | section |
| | Monitoring the progress of SMA communities with regular meetings. | Need more staff for SMA section and extension services and Outer island |
| | Continue commitment to the establishment of new SMAs. | Need more staff for SMA section |
| | Ensuring quality of fisheries data collected. | Improve skills and conduct training to Science Division for fisheries data collection. |
| | Expanding the FAD network. | Improve human capacity of the Ministry |
| | Improved support for pearl oyster production, development and marketing. | Need to conduct more training on pearl design and marketing |
| | Improved support for tilapia aquaculture. | Liaise with SPC for technical assistance |
| | Identify potential for training and capacity building for stakeholders in co-management, fish handling, fisheries management, and business management. | Need a training analysis for the fisheries sector and Ministry of Fisheries |
| | Low percentage of data coverage for scientific data collection both for tuna and snapper fisheries. | Recruit more port samplers |
| | Low levels of data on artisanal and other coastal fisheries | Recruit port samplers |
| | Lack of biological samples (gonads and otoliths) from snapper species to enhance stock assessments | Improve the collaboration between MoF with the snapper vessel owner. Need more funds to buy the fish samples |
| Fisheries Compliance Division (FCD) | Infrastructure is a key challenge in terms of monitoring coastal areas (i.e. vessels for enforcement) especially target illegal fishing (i.e. dynamite fishing, using SCUBA and hookah diving air apparatus, etc.). | More emphasis towards conducting the enforcement duties, that is carry out accordingly despite challenges faced when dealing with illegal fishing and breaching of the regulations guided by the FCD to the public. |
| | Need to certify inspection and boarding officers for High Seas. | Providing training to Compliance officer |
| | Need more effective enforcement procedures for coastal areas. | Request for more Technical Assistance trainings to help in the review and development of the SOP |

| | |
|---|--|
| Seeking public support for reporting of illegal fishing activities. | Increasing the number of consultations with communities and encourage the public awareness on illegal fishing activities, maybe incorporate in the school syllabus for effective learning of students hence keeping in mind that every information given by an individual involved on voluntary compliance is strictly confidential. |
| Ensuring authorised officers have capacity in enforcement and prosecution. | Staff also needs to be trained well for more advance knowledge not only what's stated on their job descriptions but to other sections too hence in perfecting and build up alternative career paths for themselves too when improving their performances. This way the FCD division is well developed and achieve excellent performance thus, better accomplishment for the Ministry's goals also. |
| Established task force for implementing the Port State Measures Agreement. | Regular meeting with the Task Force to advance their capacity on MCS |
| Develop National Plan of Action (NPOA) for Illegal Unreported Unregulated fishing (IUU). | A work plan should be made when monitoring all license fishing vessels activities within Tonga EEZ by using satellite base system (VMS), so that the office is well updated and record the data beforehand then cross check it when the observer's data comes in makes it easier and save time. |
| Enforcement of licensing terms and conditions for fishing vessels, fish fences, exporters of tuna and snapper and aquarium. | Establish more simple and creative methods to broadcast the license activities and awareness through brochures, pamphlet, television program and posters to advertise our service to the public and tourists. |
| Information regarding marine products allowed to export or import to Tonga is vague and not clear to the public | Establish a strong networking with other biosecurity border control overseas as a way to improve our service to our customers especially the licensees in considering their needs, complaint, and challenges and continue to serve them in a great professional manner. |

| | | |
|-----------------------------------|---|--|
| | Need to build up collaboration with other Ministries with a mandate to conduct enforcement as a way forward for more effective compliance activities. | There is also a need for more technical assistance skills to capture by the team in enhancing more effective cooperation when working with the Line Ministries such as Tonga Navy for patrolling in Tonga Water and air surveillance provided by NZ and Australia Defence, Police Maritime Rescue Division in term of conducting operation activities to enforce Fisheries Acts & Regulations. |
| | Develop SOP under PSMA in term of Boarding & Inspection for the Task Force. | Regular meeting with the Task Force to advance their capacity on MCS. Need to train task force team in term of boarding & Inspection for both Foreign & Domestic Licensed vessels. |
| | Develop National Plan of Action (NPOA) for Illegal Unreported Unregulated fishing (IUU). | A work plan should be made when monitoring all license fishing vessels activities within Tonga EEZ by using satellite base system (VMS), so that the office is well updated and record the data beforehand then cross check it when the observer's data comes in makes it easier and save time. |
| Observer VMS | Train observers to be certified MSC observers. | Received fund from JTF and training schedule to be conducted on the 2 nd – 4 th of October 2019 |
| | Need VMS unit for Local fishing vessels | Seek fund to purchase VMS unit for local fishing |
| | Unstable internet connection | Stand-alone internet connection for VMS |

3.2 Risks and risk management

| Ministry of Fisheries Strategic Output | Risk | Risk Management |
|--|---|---|
| All divisions | <ul style="list-style-type: none"> Natural disaster such as cyclone, tsunami, flooding | <ul style="list-style-type: none"> Ensure staff are aware of risks and disaster management plan in place and practiced. |
| All divisions | <ul style="list-style-type: none"> Duty travel accident, injury, stranding | <ul style="list-style-type: none"> Ensure staff are aware of risks and what to do in and emergency, carry insurance, and know not to take risks |
| All divisions | <ul style="list-style-type: none"> Local travel such as vehicle travel | <ul style="list-style-type: none"> Ensure vehicles well maintained and operated at speed limit |
| All divisions | <ul style="list-style-type: none"> Illness - tropical disease, infection, and illness | <ul style="list-style-type: none"> Encourage vaccinations, seriously ill staff to not attend work, good practice hygiene at work |
| All divisions | <ul style="list-style-type: none"> Sunburn and exposure | <ul style="list-style-type: none"> Wear sunscreen and protective clothing, carry fresh water |
| Fisheries operations (science, compliance and extension) | <ul style="list-style-type: none"> Vessel use, diving, maintenance and repair | <ul style="list-style-type: none"> Ensure staff are properly trained and safety equipment carried Good practice of diving procedures |
| Fisheries science | <ul style="list-style-type: none"> Use of chemicals | <ul style="list-style-type: none"> Ensure staff are properly trained and safety equipment used |
| Fisheries Science (Port sampler) | <ul style="list-style-type: none"> Trips, slips and falls | <ul style="list-style-type: none"> Ensure proper foot ware and risks assessed of slippery or loose surfaces such as fish markets, rocks, and steps |
| Fisheries compliance | <ul style="list-style-type: none"> Attack or injury | <ul style="list-style-type: none"> Training, patrol planning, never working alone |

4. Disclosures and legal compliance

4.1 Audit statements

The last audit report covered the period of June 2014 to June 2016.

4.2 Ministerial and Cabinet directives

| Decision date | Cabinet Decision number | Purpose |
|-----------------------------------|-------------------------|--|
| 26 th of July 2019 | 831 | Attendance of Ministers responsible for Fisheries and Aquaculture at the 6 th meeting of the African, Caribbean and Pacific Group of States (ACP Group), Apia, Samoa, 12 th – 13 th September 2019 |
| 16 th of August 2019 | 935 | Attendance at International Maritime Organization (IMO) Ministerial Conference on Fishing Vessel Safety and Illegal, Unreported and Unregulated (IUU) Fishing, Torremolinos, Spain on 21 st - 25 th of October 2019 |
| 23 rd of August 2019 | 941 | Aquaculture Management Regulations 2019 |
| 23 rd of August 2019 | 942 | Fisheries (Fishing Vessels) Licensing Regulations 2019 |
| 11 th of October 2019 | 1122 | Report on the outcomes of the 6 th Meeting of the African, Caribbean and Pacific Group of States (ACP Group), Apia, Samoa from 12- 13 th of September 2019 |
| 17 th of October 2019 | 1168 | Amendment to the Attendance at International Maritime Organization (IMO) Ministerial Conference on Fishing Vessel Safety and Illegal, Unreported and Unregulated (IUU) Fishing, Torremolinos, Spain on 21 st - 25 th of October 2019 |
| 1 st of November 2019 | 1216 | Submission seeking Cabinet's Ratification of Port State Measures Agreement |
| 11 th of November 2019 | 1237 | Fisheries (Fishing Vessels) Licensing Regulations 2019 |
| 11 th of November 2019 | 1238 | Aquaculture Management Regulations 2019 |
| 11 th November 2019 | 1239 | Proposed amendments to the Fisheries (Coastal Communities) Regulations 2019 and its amendments. |
| 27 th of November 2019 | 1329 | Fisheries (Fishing Vessels) Licensing Regulations 2019 |
| 27 th of November 2019 | 1330 | Aquaculture Management Regulations 2019 |

| | | |
|-----------------------------------|------|--|
| 27 th of November 2019 | 1331 | Proposed amendments to the Fisheries (Coastal Communities) Regulations 2009 and its amendments. Ref CD No. 1239 of 11 th of November 2019. |
| 7 th of February 2020 | 102 | Memorandum of Understanding with the Pacific Islands Forum Fisheries Agency (FFA) on the Regional Aerial Surveillance Programme (RASP) |
| 14 th of February 2020 | 117 | Fisheries Management Advisory Committee, Aquaculture Advisory Committee and Fisheries Management Committees |
| 14 th of February 2020 | 121 | Fisheries (Coastal Communities) (Amendment) Regulation 2020 |
| 13 th of March 2020 | 208 | 2020's Royal Agriculture, Fisheries, Tourism and Trade Show |
| 8 th of May 2020 | 422 | Review of diving allowance for employees of the Ministry of Fisheries and other relevant government departments |
| 22 nd of May 2020 | 461 | Public Service Special Leave and Working Conditions COVID 19 Special Instructions |
| 12 th of June 2020 | 618 | Proposal to suspend the current moratorium that prohibit harvesting, processing and exporting of sea cucumber resources for commercial and export purposes |
| 12 th of June 2020 | 623 | Fisheries (Fishing Vessels) Licensing Regulations 2020 |
| 12 th of June 2020 | 622 | Buying of the business assets of the Local Commercial Fishing Company- Atlantis Fisheries Pty Ltd, trading as Pacific Sunrise Fishing |
| 12 th of June 2020 | 624 | Aquaculture Management Regulations 2020 |
| 17 th of July 2020 | 782 | Memorandum of Agreement between The Pacific Islands Forum Fisheries Agency and an assigned staff of the Ministry of Fisheries |
| 17 th of June 2020 | 814 | Review of the Stimulus Package and Way Forward |
| 22 nd of June 2020 | 632 | Submission regarding the recruitment of the Chief Executive Officer for Ministry of Fisheries |

Ministerial Decision

49 overseas travelled approved

49 number of overseas trip report submitted and approved

3 number of Management Plan approved

9 number of daily paid contract approved

4.3 Governance disclosures

International Agreements and Treaties

Tonga is a party to, and has obligations under, a range of international agreements and treaties that support the sustainable harvest of our fisheries resources.

- FFA** Tonga is a member of the Honiara, Solomon Islands based Pacific Islands Forum Fisheries Agency (FFA), as a signatory to the 1979 Convention. The FFA supports its 17-member countries to manage, conserve and use the tuna resource through enhancing national capacity and strengthening regional solidarity.
- SPC** Tonga is a member of the Noumea, New Caledonia based Pacific Community (PC) (formerly the Secretariat to the Pacific Community (SPC)) which aims to develop the technical, professional, scientific, research, planning and management capability of Pacific Island people and directly provide information and advice, to enable them to make informed decisions about their future development and well-being.
- WCPFC** The Western and Central Pacific Fisheries Convention aims to ensure, through effective management, the long-term conservation and sustainable use of highly migratory fish stocks in the western and central Pacific.
- UNCLOS** The United Nations Convention on the Law of the Sea 1982 (UNCLOS), is an international agreement that defines the rights and responsibilities of nations with respect to their use of the world's oceans, establishing guidelines for businesses, the environment, and the management of marine natural resources.
- UNFSA** The United Nations Fish Stocks Agreement (UNFSA) (relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks) sets out principles for the conservation and management of those fish stocks and establishes that such management must be based on the precautionary approach and the best available scientific information. Signatory States should cooperate to ensure conservation and promote the objective of the optimum utilization of fisheries resources both within and beyond the exclusive economic zone.
- CODE OF CONDUCT** the Code of Conduct for Sustainable Fisheries is a non-binding though internationally agreed instrument that states fisheries management rules should be based on the precautionary approach which it prescribes is typically implemented in concrete management rules through such provisions as minimum spawning biomass, and maximum fishing mortality rates.
- CITES** the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), is a multilateral treaty to protect endangered plants and animals. Its aim is to ensure that international trade in specimens of wild animals and plants does not threaten the survival of the species in the wild. It provides varying degrees of protection to more than 35,000 species of animals and plants.
- US Treaty** the Multilateral Treaty on Fisheries between Certain Governments of the Pacific Island States and the Government of the United States of America (US Treaty)

provides for multilateral access by USA-flagged tuna purse-seine fishing vessels to Pacific Island Parties Waters the US Treaty was agreed in 1987 and has moved through several phases.

Niue Treaty The “Niue Treaty Subsidiary Agreement ratified in 2015 as a regional effort to strengthen our current surveillance and enforcement mechanisms to fight against Illegal, unregulated and unreported fishing (IUU fishing) as an ongoing global challenge.

OIE the World Organisation for Animal Health (OIE). The OIE is the intergovernmental organisation responsible for improving animal health worldwide. The need to fight animal diseases at global level led to the creation of the Office International des Epizooties through the international Agreement signed on January 25th 1924. In May 2003 the Office became the World Organisation for Animal Health but kept its historical acronym OIE. Tonga is not a signatory but as a member of SPC follows the policies and practices of OIE with respect to aquatic species.

Port State Measures Agreement Port States Measures to Prevent, Deter and Eliminate IUU Fishing, ratified by the Government of Tonga in December, 2019.

4.4 Government policy requirements

The Ministry fully support and promote the public service code of conduct under the Public Service Act 2002.

The Ministry has an obligation under the Western and Central Fisheries Pacific Convention (promulgated under the United Nations Convention on the Law of the Sea) to submit reports to the tuna Commission. The Ministry can report that both its reports were in full compliance for the reporting period.

The Ministry has been progressively reviewing its policies and procedures since becoming a stand-alone Ministry after its separation from the Ministry of Agriculture, Forestry, Food and Fisheries.

A significant effort has been made to comply with the government’s new policies for corporate planning and for staff performance management.

A range of training events have been held (mentioned above) with the aim of improving effectiveness and efficiency.

The Ministry of Fisheries is supporting the Forum Fisheries Agencies (FFA) Gender Equity Framework 2016 was adopted and approved by the FFC Ministers to promote equality in the work place and to help removed barriers to women’s involvement in all aspects of Fisheries sector.

4.5 Board and Committee Remuneration

Fisheries Management Act 2002 section 8, The Minister shall establish a Fisheries Management Advisory Committee which shall advise him on such matters relating to the conservation, management, sustainable utilization and development of fisheries in the Kingdom.

The committee shall comprise the following members listed below. The members other than ex officio members shall be appointed for a period of 3 years.

Fisheries Management Advisory Committee (FMAC)

| Position | Name |
|-----------------|---|
| <i>Chair</i> | <i>CEO for Fisheries</i> |
| <i>Member</i> | <i>Secretary for Lands or his nominee</i> |
| <i>Member</i> | <i>Secretary for Labour, Commerce and Industry or his nominee</i> |
| <i>Member</i> | <i>One member representing commercial fisheries interest nominated by Tongan Fish Exports Association</i> |
| <i>Member</i> | <i>One member representing women's interests nominated by the Minister</i> |
| <i>Member</i> | <i>Two members representing local fishermen nominated by the Minister</i> |
| <i>Member</i> | <i>One member representing Coastal communities nominated by the Prime Minister</i> |
| <i>Member</i> | <i>Such other persons not exceeding two whom the Secretary may think fit to appoint</i> |

Ministry of Fisheries Internal Committee

- Technical Management Committee
- Data Working Group
- Tuna Management Committee
- Deep Water Snapper Management Committee
- TFSP Committee
- Project Management Group (New Zealand funded project for Deep water snapper fisheries)
- Aquarium Management Committee

Chapter 5 : Conclusion

This financial year 2019/20 marked the fourth year of the reinstatement of the Ministry of Fisheries as a stand-alone government agency. Due to a change in the Parliament, Lord Tu'ilakepa was appointed as the new Minister for the Ministry vice former Minister Semisi Taelangi Fakahau.

Our fisheries resources are under constant pressure from the risks of overfishing, climate change, ocean acidification, sea level rise and global warming. There are still challenges that affect our fisheries resources and ecology and the work of the Ministry with our key stakeholders remains of paramount importance to ensuring we strive for our vision to achieve economically, socially and environmentally sustainable fisheries that contribute to better living standards for all Tongans.

One of the highlights of the year was the Ministry's participation in the Royal Agricultural & Fisheries Show at the beginning of the FY 2019/20, which is a national event that takes place on annual basis, and it coincides with the celebration of His Majesty King Tupou VI's Birthday. The 2019 Royal Agriculture & Fisheries Show commenced in Tongatapu towards the end of June then moved on to Ha'apai, Vava'u, Niuafo'ou, Niuatoputapu and ended in 'Eua on early August 2019.

The approval by the World Bank and the implementation of the project titled, "Halafononga ki ha Ngatai Tu'uloa" in Tongan, and known in English, as "Pathway to Sustainable Oceans (TongaFish Pathway)" in 2019 with a total cost of USD \$10 million for 6 years was a great achievement of the Ministry of Fisheries. The recruitment of the Project Management Unit become a Division of the Ministry and implemented some of the project activities was a milestone.

The FAO Port States Measures Agreement to Prevent, Deter and Eliminate IUU Fishing, ratified by the Government of Tonga in December, 2019.

We thank our Minister for his support and relentless commitment to improving fisheries, and all our stakeholders for their support, hard work, and commitment.