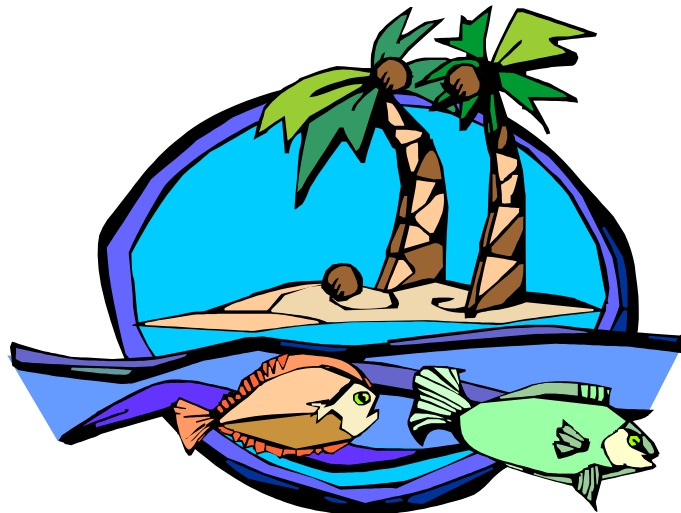


**POTUNGAUE NGOUE & ME'ATOKONI,
VAO'AKAU MO E TOUTAI
PULE'ANGA TONGA
*MINISTRY OF AGRICULTURE & FOOD,
FORESTS AND FISHERIES
KINGDOM OF TONGA***

**PALANI KI HONO PULE'I
'O E KOLO MATATAHI
*COASTAL COMMUNITY
MANAGEMENT PLAN***

**ko
for**

'O'UA



**Vahe Lulunga, HA'APAI
*Lulunga District, HA'APAI***

**KO E POLOSEKI TOUTAI 'a e Potungae Toutai, ko e tokoni 'a e Pule'anga
'Aositelelia.**

***TONGA FISHERIES PROJECT of the Department of Fisheries, an AusAID assisted
project***

Ko e Palani Pule'i 'o e Kolo Matatahi na'e fokotu'utu'u ia 'i he 'aho 20/04/05
Coastal Community Management Plan prepared on 20/04/2005

Fakataha mo e kakai he 'aho 08/06/05 kau ki ai 'a e Pule Fakavahe
Public Meeting held on 08/06/2005 with District Officer in attendance

Ko e Palani Pule'i 'o e Kolo Matatahi na'e tali pea kasete'i 'i he 'aho .../.../...
Coastal Community Management Plan approved and gazetted on/..../.....

Fakamo'oni (*Signature*)

Manase Tualau
(Sea Komiti Pule) CCMC Chair

Fakamo'oni (*Signature*)

'Asipeli Niupalau
('Ofisa Kolo Le'ole'o) Acting Town Officer

Ngaahi Fakamatala.

Notes:

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Ko e Palani Pule'i 'a e kolo matatahi ko 'O'ua. (*'O'ua Coastal Community Management Plan*)

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Tepile 3: Longitute mo e Latitute fakangatangata 'o e Feitu'u Malu'i e Nofo'anga 'o e Ika 'a 'O'ua (WGS84) (*Table 3: Longitude and Latitude of 'O'ua Fish Habitat Reserve Boundary Points (WGS84)*)

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1.0 Komiti pule ki he kolo matatahi ko 'O'ua.
'O'ua Coastal Community Management Committee (CCMC)
Fokotu'u 'i 'Epeleli, 2005 (*Established April 2005*)

1.1 Kau memipa (Members)

1. **Sea (Chair):** Manase Tualau
2. **Tokoni Sea (Vice Chair):** Semisi Tau'alupe ('Ofisa Kolo)
3. **Sekelitali (Secretary):** Kotoni Tu'ineau
4. **Tokoni Sekelitali (Vice Secretary):** 'Osai Heitonga
5. **Tauhi Pa'anga (Treasurer):** Talaiasi Lavemai
6. **Tokoni Tauhi Pa'anga (Vice Treasurer):** 'Emeline Vaomotou
7. **Tokotaha Fakahoko Ngaue (Coordinator):** Ahi 'Aukafolau
8. **Tokoni Fakahoko Ngaue (Deputy Coordinator):** Haloti Taufu
9. **Fakafofonga 'o e To'utupu (Youth Representative):** Sione Folau
10. **Fakafofonga 'o e To'utupu (Youth Representative):** Kaloni 'Aukafolau
11. **Pule Fakavahe (District Officer):** Timote Ve
12. **Fakafofonga 'o e Potungaue Toutai (MoF Representative):** Tevita 'Ahoafi
13. **'Ofisa Kolo Le'ole'o (Acting Town Officer):** 'Asipeli Niupalau
14. Sione Tulikihakau
15. Sione Vaomotou
16. Viliami Tuilikihakau
17. Polonga Tau'alupe
18. Ve Mafua
19. 'Auka Tau'alupe
20. Taniela Tu'alau
21. Sione Tonga
22. Nuku Folau
23. Vake Niupalau
24. 'Otungalu Tau'alupe
25. Ta'ufu'ou Teuteukihelotu

1.2 Fatongia 'o e Komiti Pule ki he Kolo Matatahi.

Responsibilities of the Coastal Community Management Committee

Ko e Komiti Pule ki he Kolo Matatahi 'e fiema'u ke nau teuteu'i 'a e ngaahi me'a ko 'eni:

The Coastal Community Management Committee shall be required to inter alia –

1.2.1 Teuteu'i 'a e Palani ki hono pule'i, malu'i, faka'aonga'i mo fakalakalaka tolonga 'o e ngaahi me'a mo'ui 'i he ngaahi Feitu'u Pule'i Makehe ke fakahu ki he Minisita ke fakahoko ha'ane tu'utu'uni.

(Prepare a coastal community management plan for the conservation, management, sustainable utilisation and development of fisheries resources for its special management area to be submitted to the Minister of Fisheries for a decision.)

1.2.2 Fakapapau'i 'oku 'i ai e faingamalie 'o e tokotaha kotoa 'i he kolo ke kau ki hono teuteu'i 'o e Palani ki hono pule'i 'o e Feitu'u Pule'i Makehe.

(Ensure all community members are provided an opportunity to be involved in the preparation of the coastal community management plan.)

1.2.3 Fakataha mo alelea mo e ngaahi sekitoa 'o e kolo matatahi hange ko e kau toutai, kakai fefine, to'utupu pea mo ha taha pe 'oku kau tonu ki ai 'a e ngaue.

(Facilitate meetings and discussions with sectors of the coastal community such as fishers, women, youth and any other relevant key stakeholders.)

1.2.4 Fakahoko ki he kakai kotoa 'o e kolo 'a e Palani 'i ha toutou fakataha.

(Keep all community members informed of the Plan through regular community meetings.)

1.2.5 Fakahoko 'a e Palani ki he ngaahi kolo ofi mai pea mo ha taha pe 'oku totonu ke ne 'ilo ki he Palani kuo fokotu'utu'u.

(Consult with neighbouring communities and other concerned stakeholders about the coastal community management plan.)

1.2.6 Fakahoko 'a e Palani.

(Implement the coastal community management plan.)

1.2.7 Vakai'i mo sivi'i 'a e Palani kuo fa'u 'e he kolo matatahi 'o kau ai hono tokanga'i 'o e lesisita 'oku ha he tu'utu'uni fika 18.

(Monitor and evaluate the coastal community management plan, including the maintenance of the Registers referred to in regulation 18.)

1.2.8 Vakai'i pea kapau 'e fiema'u, pea fakalelei'i 'a e Palani hili e mahina 'e 12 kotoa pe.

(Assess and where necessary, revise the coastal community management plan every twelve months.)

1.2.9 Tokoni'i 'a e kau 'ofisa kuo fakamafai'i ke nau malu'i 'a e Palani Pule'i kuo fa'u 'e he kolo matatahi.

(Assist authorised officers in undertaking their duty of enforcement of the coastal community management plan.)

2.0 Fakama'opo'opo 'o e tu'unga lolotonga. (Summary of existing situation)

'Oku mahino mei he ngaahi fakamatala, ko e tupu tokolahi 'o e kakai 'o 'O'ua 'oku ngalingali tu'uma'u 'i he ngaahi ta'u 'e 60 kuo hili. Ko e toutai kuo hoko ia ko e ngaue pea 'oku ne 'omi 'a e pa'anga lahi taha, ka neongo ia 'oku 'i ai pe mo e ngaahi faingamalie kehe hange ko e failautohi, ngaue ki he pule'anga mo e siasi. I hono vakai'i 'o e tu'unga 'oku 'i ai 'a e ngaahi me'a mo'ui he matafanga mo e hakau, na'e mahino kuo holo ia ki he peseti pe 'e 45 mei he tu'unga na'e totonu ke 'i ai 'i he 'aho ni. Ko e holoa ko 'eni na'e fakautuutu 'ene hoko talu mei he ta'u 1980. Ko e ika he ngaahi matafanga mo e tahi loloto 'oku holo mo ia ka ko e matafanga na'e holo ia ki he peseti 'e 30 mei he tu'unga na'e totonu ke 'i ai 'i he ta'u 1960. Ko e lalahi 'o e feke, 'uo mo e vasuva 'oku fakafuofua ki he peseti 'e 50 'i tu'unga lolotonga, 'i hono fakafehoanaki mo e ngaahi ta'u he taha hiva fitungofulu tupu. Ko e fakama'opo'opo 'o e tu'unga lolotonga na'e fakahoko ia 'i hono fakamavahevahe'i 'a e kakai tangata mei he kakai fefine pea na toki takitaha fakaha pe 'a e ola pea mo alea'i 'a e ngaahi faikehekehe ke ma'u 'a e tokolahi mo e tu'unga 'oku nau lolotonga 'i ai. 'Oku 'i ai 'a e tui 'oku holo 'aupito 'a e ngaahi me'a mo'ui 'o makatu'unga ia he tokolahiang'e 'a e kakai 'oku nau ha'u mei he ngaahi feitu'u kehekehe ke toutai 'i 'O'ua. Ko e kakai 'oku ha'u mei tu'a 'oku fakautuutu 'enau ngaue'aki 'a e ngaahi founga toutai fakavalevale hange ko e sina ke toutai'i'aki 'a e feke.

(It was clear from the Trend Analysis that the population of 'O'ua has been relatively stable over the past 60 years. Fishing has been the primary income generating activity, although now there are other opportunities including teaching, government, and church. The assessment of the status of the inshore resources/ reef area revealed that they have degraded from its previous status to 45%, and this decline has increased steadily since the 1980's. Inshore and offshore fish catches have also declined, with inshore fish catches being estimated at only 30% of what they used to be in the 1960's. The size of octopus, lobsters, and clams is also estimated at only 50% of what they used to be in the 1970's. The trend analysis was conducted with separate men and women's groups and then the groups presented their results and discussed the differences, and came up with a consensus of their community situation. The general feeling is that the resources have degraded considerably and this is mostly due to an increasing number of people, from various locations, fishing in 'O'ua. These 'outsiders' have also been observed to increasingly use destructive techniques such as metal bars for finding octopus.)

Tepile 1 Vakai'i Ngaahi Fakalalakaka 'i 'O'ua (na'e fakahoko 'i Ma'asi 2005) Table 1. 'O'ua Community Trend Analysis (Conducted in March 2005)

'O'UA										VISIONE (VISION)
Kulupu Fakakolo (Felotoi) Community Group (CONSENSUS)										
Ta'u (Year)	1940	1950	1960	1970	1980	1990	2000	2005	2025	
Ngaahi 'api nofo'anga (Households)	30	30	30	30	32	32	32	32	36	
Famili Toutai (No. Fishing Family)	100%	100%	100%	100%	90%	75%	60%	60%	80%	
Ma'u vaka (No. boats)	2	3	4	8	6	11	12	10	15	
%'o e hakau 'oku mo'ui lelei (% inshore areas in healthy condition)	100%	100%	100%	90%	85%	75%	65%	45%	80%	
'Elia 'o e Limu (Area of Seaweed)	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Ika mamaha (inshore fish catch)	100%	100%	100%	90%	80%	60%	50%	30%	80%	
Ika Loloto (inshore fish catch)	100%	100%	100%	90%	80%	70%	60%	50%	80%	
Lalahi 'o e feke (Size of octopus)		Lahi (Large)	Lahi (Large)	Holo 'i he lalahi 'o e feke (Decrease in size)	Holo 'i he lalahi 'o e feke (Decrease in Size)	Holo 'i he lalahi 'o e feke (Decrease in Size)	Tupu 'i he tokolahi 'a e feke iiki (Increase in small sized octopus)	Tokolahi 'a e feke iiki. Faka'au ke faingata'a hono toutai'i Ko e'uhi ko e maumau honau nofo'anga (Plenty of small sized octopus. Getting difficult to catch due to damage of habitat)		
Lalahi 'o e feke (Amount of octopus)	100%	100%	100%	100%	90%	85%	50%	40%	80%	
Lalahi 'o e 'uo (Size of lobster)		Lalahi mo tokolahi (Large and plentiful in supply)	Lato pea tokolahi 'aupito (Large and plentiful in supply)	Holoa e tokolahi pea faingata'a ke ma'u (Decrease in supply and difficult to catch)	Holoa honau lalahi pea tokosi'iange (Decrease in both size and supply)	Si'isi'i pea faingata'a ke ma'u (Limited supply and difficult to catch)	Holoa honau lalahi pea mo e tokolahi (Decrease in size and availability of lobster)	Lahiange 'a e toutai'i e 'uo iiki. Fangata'aang e ke ma'u. Increase in undersized		

								<i>catches. Difficult to fish.</i>	
Lalahi 'o e 'uo (Amount of lobster)	100%	100%	100%	100%	90%	85%	70%	55%	80%
Lalahi 'o e vasuva (Amount of clams)	100%	100%	100%	95%	90%	80%	70%	50%	
Ngaahi liliu Changes)		Lelei 'aupito(<i>Very Good</i>)	Lelei 'aupito (<i>Very Good</i>)	Kamata 'a e toutai fakakomesiale, fakatau 'aisi poloka mei Nuku'alofa, fakamaketi'i ki Nuku'alofa; ta'o, fakamasima, pea mo e faka'ahu (<i>Beginning of Commercial Fishing, Buying ice from Nuku'alofa, marketing to Nuku'alofa; baked, salted and smoked</i>)	Toutai fakakomesiale pea uta ki Nuku'alofa (<i>Commercial fishing shipped to Nuku'alofa</i>)	Misini ta 'aisi poloka fakatu'uta 'i Pangai mo Ha'afeva. Leleiange ola e toutai fakakomesiale pea leleiange e naunau Toutai (<i>Ice Machines introduced in Pangai and Ha'afeva. Fishing is commercially successful and fishing equipment is getting better</i>)	Lahiange e kau ma'u vaka pea mo e toutai kehekehe (<i>Increase in boat owners and fishing activities</i>).	Fakautuutuung e founa toutai ta'efakapotopot o (<i>Increase in poor fishing practices</i>)	

3.0 Visone 'a e kolo. (Community Vision)

Ke ta'ofi e holo 'a e ngaahi me'a mo'ui mei he tahi 'o 'O'ua pea ke fakalalakaange 'a e toutai 'i ha founga toutai 'oku tu'uloa pea ke fakasi'isi'i 'a e toutai 'i he ngaahi matafanga. (Vakai ki he Tepile 1 Ngaahi Liliu 'i 'O'ua – Visone 2025)

(To stop the decline of marine organisms in the 'O'ua waters and to improve the fish catch through sustainable fishing practices and reducing effort on the inshore area. Refer to Table 1 'O'ua Community Trend Analysis– Vision 2025).

4.0 Ngaahi Palopalema mo e ngaahi isiuu 'a e kakai 'o e kolo (Priority Problems and Issues of the Community)

4.1 Palopalema 1 (Problem 1): Holoa 'a e me'a mo'ui 'i tahi (Decline of the marine organisms)

Tupu'anga (Causes)

- ⌘ Tokolahiangē kau toutai pea lahiangē e toutai (*Increased number of fishermen and fishing efforts*)
- ⌘ Leleiangē naunau toutai (*Better fishing equipment*)
- ⌘ Lahiangē 'ilo ki he ngaahi founga toutai leleiangē (*Increased knowledge on better fishing methods*)
- ⌘ Lahi 'a e ngaahi founga toutai fakatu'utamaki 'oku kei ngaue'aki hange ko e kemikale, 'aukava mo e fana ika (*Alot of destructive methods are still used such as chemicals, fish poisoning and explosives*)
- ⌘ Fakautuutu 'a e fiema'u e me'akai mei tahi pea ko e tefito'i ma'u'anga pa'anga foki pea ma'u'anga mo'ui mei ai 'a e taha kotoa pe (*High demand for seafood and this is the main source of income and livelihood for everyone*)
- ⌘ 'Ikai ke fe'unga hono tokanga'i 'e he Potungae Toutai 'a hono leva'i 'o e ngaahi me'a mo'ui 'o 'oseni (*Department of Fisheries doesn't provide enough priority/ resources to the management of marine organisms*)
- ⌘ Manako pe tamaiki ke maumau'i e lao (*Young people just like to break rules*)

Ngaahi Ola Kovi (Effects)

- ⌘ Si'isi'i 'a e pa'anga hu mai 'a e ngaahi famili, ko ia ai 'oku hala ha pa'anga ke fua'aki e “kavenga”.
(Less income for the family and hence no money to fulfill social obligations)
- ⌘ Si'isi'i e me'akai ki he ngaahi famili 'i he lolotonga ni mo e kaha'u

(Less food for the family now and in the future)

- ⌘ Taimi loloaange ki he me'a mo'ui mei tahi ke nau tupu 'o lalahiange, pea hoko ai 'a e tonounou ki he ma'u me'a tokoni he ngaahi taimi 'e ni'ihī
(It takes a long time for some of these organisms to grow and hence shortage of seafood sometimes)

Ngaahi Vete'anga (Solutions)

- ⌘ Fakangatangata pe 'a e tokolahi 'o e kau toutai (i.e. Ko e kau 'O'ua pe 'e ngofua ke nau toutai he 'elia pule'i makehe *(Limit the number of fishermen (i.e only the 'O'ua people fish in the special management area))*)
- ⌘ Ngaue'aki 'a e ngaahi naunau mo e ngaahi founa toutai 'e ma'u ai ha ika fe'unga pe ke fakalato'aki 'enau fiema'u *(Use fishing gears and methods that will ensure enough catch for their needs)*
- ⌘ Fakahoko 'a e lao toutai *(Enforce the fishing regulations)*
- ⌘ Toutai fe'unga pe ki he 'aho 'e taha (*Just collect fish enough for one day*)
- ⌘ To e tanaki atu 'a e ngaahi me'a mo'ui hange ko e vasuva ki he feitu'u 'oku pule'i makehe he 'elia toutai'anga *(Restock some organisms such as giant clams in the special management area)*
- ⌘ Ako'i e fanau mo e kakai e kolo ke nau 'ilo ki he ola kovi 'o e toutai ta'efakapotopoto *(Educate the children/community on effects of destructive fishing)*

4.2 Palopalema 2 (Problem 2): Mole e kongā 'o 'enau toutai hono uta ke fakatau 'i Nuku'alofa. (Lose parts of their catches when it is shipped for sale at Nuku'alofa)

Ngaahi Tupu'anga 'o e Palopalema (Causes of Problems)

- ⌘ 'Ikai falala'anga e kau kauvaka *(Unreliable ship crew)*
- ⌘ 'Ikai ke pau e polokalama 'a e vaka *(Unreliable ferry schedule)*
- ⌘ 'Ikai ke lava 'o loka'i 'a e ngaahi puha 'aisi *(Cannot lock Coolers and iceboxes)*

Ngaahi Ola Kovi (Effects)

- ⌘ Lahiangē toutai ke ne tapuni 'a e toutai kuo mole *(Increase fishing to cover for loss of catches)*
- ⌘ Si'isi'i pa'anga hu mai *(Less income)*

Ngaahi Vete'anga (Solutions)

- ⌘ Faka'ilo pe launga'i 'a e kau kaiha'a ika ki he tokotaha 'oku 'o'ona 'a e vaka *(Sue or report the offenders to the ship owner)*
- ⌘ Feinga'i ha vaka makehe 'o e kolo ke 'ave ai 'enau ika fakahangatonu pe ki he maketi 'i Nuku'alofa *(Request for a community vessel to take their catches straight to the fish market at Nuku'alofa)*

- ⌘ Totongi 'e he tokotaha ma'u vaka 'a e ngaahi fakamole (*The boat owner should compensate losses*)
- ⌘ Ngaue'aki ha puha 'aisi 'oku lava ke loka'i (*Use icebox with locks etc*)
- ⌘ Lotu pe ke 'oua to e kaiha'a e kau kauvaka (*Pray that the ship crew won't steal the catches*)

4.3 Palopalema 3 (Problem 3): Lahi e ika 'oku maumau mo li'aki (A large quantity of catch is spoiled and wasted)

Ngaahi Tupu'anga. (Causes)

- ⌘ Si'isi'i e 'aisi poloka pe naunau fakamokomoko (*Shortage of ice or cooling capacity*).
- ⌘ Si'isi'i e masima. (*Shortage of salt*)
- ⌘ 'Ikai ke pau e polokalama folau 'a e vaka. (*Unreliable ferry schedule*)
- ⌘ Si'isi'i 'a e ngaahi founa fakatolonga. (*Limited preservation methods/techniques*)

Ngaahi Ola Kovi (Effects)

- ⌘ Holo 'a e pa'anga hu mai. (*Less income*)
- ⌘ Fu'u lahiange toutai ke tapuni 'a e fakamole. (*Increased fishing activity to cover loss*)
- ⌘ Si'isi'iange 'a e me'a mo'ui mei tahi. (*Declining marine resource*)

Ngaahi Vete'anga (Solutions)

- ⌘ Kole ki he polokalama tokoni 'a Aositelelia ke nau fakapa'anga ha misini ta 'aisi poloka. (*Request AusAID to fund an ice making machine*)
- ⌘ Kole ki he pule'anga ke to'o e tute 'o e masima. (*Request Government to remove duty/taxes on salt.*)
- ⌘ Alea mo e kau ma'u vaka ke tauhi 'enau taimi tepile folau ke pauange pea malava ke fakahoa ki ai e taimi toutai 'a e kau toutai he 'oku si'isi'i 'a e 'aisi mo e masima (*Negotiate with boat owners for a set timetable so that fishermen can work around it; this is because there is shortage of ice and salt.*)

5.0 Ngaahi Taumu'a. (Objectives)

5.1 Ke fakasi'isi'i 'a e holo 'a e ika mo e ngaahi me'a mo'ui kehe he ngaahi matafanga 'o 'O'ua.

(To reduce/minimise the decline of fish and other marine organisms in the coastal area around 'O'ua.)

5.2 Ke ta'ofi hono ngaue'aki 'a e ngaahi founa toutai 'oku fakatu'utamaki 'i 'O'ua.

(To stop the use of destructive fishing methods around 'O'ua.)

5.3 Ke fakangatangata 'a e tokolahi 'o e kau toutai mei tu'a 'oku toutai he feitu'u ko 'eni.

(To limit the number of outsiders fishing in the area.)

5.4 Ke fakaakeake mai 'a e mo'ui lelei honau nofo'anga, pea ke faka'ai'ai ke to e tupulakiange 'a e ngaahi me'a mo'ui mei tahi.

(To restore the health of the habitat and help the marine organisms recover.)

6.0 Ngaahi makatu'unga ke fakapapau'i'aki 'a e ngatangata'anga 'o e Feitu'u Pule'i Makehe mo e Feitu'u Malu'i e Nofu'anga 'o e Ika (*Justification for the Special Management Area and Fish Habitat Reserve boundaries*)

6.1 Ko e ngaahi makatu'unga ke fakapapau'i'aki 'a e ngatangata'anga 'o e Feitu'u Pule'i Makehe ma'ae kolo matatahi 'o 'O'ua 'a ia 'oku ha he Palani 'oku kau ai 'a e 'elia kamata mei he kolo. Ko e 'elia ko ia 'i he vaha'a 'o 'O'ua mo hono motu kaunga'api ko Lekeleka 'oku kolosi mei he hahake 'o e ngatangata'anga 'o e hakau 'o 'O'ua ki he hali'a 'oku ne fakamavahe 'a e ongo motu (kataki vakai ki he Mape 2 mo e Mape 3). Ko e ngata'anga 'oku fakafuofua ke ma'u 'a e loloto ofa 'e 20 (mita 'e 50) pea 'oku fakangata'aki 'a e ngaahi faka'ilonga 'oku ha 'i he Mape 2 mo e 3 pea ko e ngaahi fetaulaki'anga fakalatitute mo e longitute 'oku ha 'i he ngaahi teple 2, 3, 4 mo e 5. Ko e'uhi ko e fa'unga 'o e hakau takatakai 'o 'O'ua ko e ngata'anga 'oku mama'oange 'i he mita 'e 2500 mei he ngata'anga 'o e hu'a 'a e tahi 'i he ngaahi feitu'u 'e ni'ihi, ka neongo ia 'oku si'isi'i ia he mita 'e 2500 he ngata'anga e hu'a 'a e tahi he ngaahi feitu'u 'e ni'ihi.

(The Special Management Area boundary for the 'O'ua Coastal Community Management Plan includes only the area directly adjoining the town/ village boundary. The boundary between 'O'ua and the neighbouring Lekeleka Island, is across the Eastern shallow reef edge on the 'O'ua side of the small channel separating the two islands (please refer to Map 2 and 3). The boundary is broadly based on the 20 fathom (50 metre) depth contour and is delimited by markers shown in Map 2 and Map 3, the latitude and longitudes coordinates of these are provided in tables 2, 3, 4 &5. Due to the reef structure surrounding 'O'ua the boundary is further than 2500 metres from the high tide mark in several places; however in some places the boundary is less than 2500 metres from high tide mark.)

6.2 'I hono fakakaukau'i 'a e fokotu'utu'u ki he Feitu'u Pule'i Makehe 'a 'O'ua, 'oku 'oatu ai 'a e kole ki he 'Eiki Minisita ke fakatokanga'iangē 'a e ngaahi me'a ni.

(In considering the proposed 'O'ua Special Management Area, the Minister is requested by the community to consider the following points.)

6.2.1 'Oku pehe 'e he kakai e kolo ko e ngaahi hakau fonua 'o 'O'ua 'oku fu'u lahi ai e toutai pea 'oku faka'au ke to e fakautuutuange hono toutai'i 'e he kakai 'oku 'ikai nofo 'i 'O'ua, 'o kau ai mo e kakai 'oku nau ha'u mei he ngaahi feitu'u mama'oange 'a ia kuo mahino ai 'a e holoa 'a e lahi 'o e ika 'i he ngaahi feitu'u ko ia.

(The community considers that the entire reef surrounding 'O'ua is currently overfished and that the level of fishing is increasing from people who live

outside the 'O'ua community, this includes people coming from communities further and further away as fish stocks are depleted in other areas.)

6.2.2 Kuo faka'ilonga'i 'e he kakai 'o e kolo 'a e ngatangata'anga 'i he ofa 'e 20 takatakai he motu pea kolosi he hakau 'oku ne lele 'o a'u ki he motu ko Lekeleka. Ko e ofa ko ia 'e 20 takatakai 'oku faingofuaange ia ki he ngaue pea mo hono malu'i 'e he kau toutai 'i he feitu'u ko 'eni he 'oku 'ikai ke nau ngaue'aki ha naunau faifolau he te nau lava pe 'o 'ilo 'ene to hifo ki he loloto. Ko e ngata'anga fakalao 'oku fakatefito ia 'i he ofa 'e 20 ka 'oku ngaue'aki 'a e laine hangatonu ke fakafehokotaki 'a e ngaahi poini ko hono latitude mo e longitude 'oku ha 'i he Tepile 2 mo e 3. Na'e 'ikai kau 'a e motu ko Lekeleka he ko e kakai 'o Lulunga na'a nau kei loto pe ke nau kei toutai pe ai 'o hange pe ko e kuo hili, koe'uhi ko Lekeleka 'e kei hoko pe ia ko e feitu'u 'oku 'ataa ki he taha kotoa, ka faka'amu pe 'a e kakai 'o 'O'ua ke toe fakakaukau'iangeni 'i he kaha'u.

(The community has delineated the boundary by using the 20 fathom contour around the island, and cuts across the reef flat adjoining nearby Lekeleka Island. The 20 fathom contour was considered more practical to define and enforce for the majority of fishers in the area who do not use any navigation equipment, as they can easily see where the drop off occurs. The legal boundary is broadly based on the 20 fathom contour but is formed by straight lines connecting the points of which the latitude and longitude are shown in Tables 2 and 3. Lekeleka Island was not included as nearby communities in the Lulunga District want to continue to fish there as they have done in the past, this will mean that the area around Lekeleka Island will continue to be open access to anyone, the 'O'ua community wish for this to be reconsidered in the future.)

6.3 Ko e Feitu'u Malu'i e Nofu'anga 'o e Ika, ('oku tapui ke fai ai ha toutai) 'a ia 'oku 'i loto he Feitu'u Pule'i Makehe 'oku fakafuofua ia ki he peseti 'e 10 'o e 'elia fakakatoa. 'Oku mahu'inga 'eni ia ki he kakai ke 'oua 'e uesia ai 'a e nofo'anga 'o e ika kae lava ke toe tupulekina ai 'a e ngaahi me'a mo'ui. Na'e makatu'unga hono fili e Feitu'u Malu'i e Nofu'anga 'o e Ika 'i he lahi 'a e ngaahi nofo'anga ika mo fua loloto kehekehe (limu, tahi mamaha mo e ngata'anga 'o e hakau) 'oku 'i ai, na'e toe pehe 'oku lahi e maumau kuo hoko ki he 'elia ko ia pea 'oku fiema'u ke malu'i mo fakaakeake 'a e tu'unga 'oku 'i ai, na'e pehe foki ko e 'elia lelei eni ke fakatupu mo malu'i ai 'a e vasuva. Ko e ngaahi feitu'u 'oku tapui ai e toutai mo ha ngaahi me'a kehe 'e 'aonga lahi ia ki he Potungau Toutai ke nau vakai'i 'a hono lelei 'o fakatatau ki he ola 'o e toutai he feitu'u ni, pea ke nau tokoni ki hono muimui'i ofi 'o e me'a ni. 'Oku lolotonga hala ha kolo te nau malu'i ha feitu'u ko e nofo'anga 'o e ika 'i Tonga ni, ka neongo ia ko hono tapui ha toutai he ngaahi feitu'u pehe ni kuo 'osi fakamo'oni'i ko e

founga pule'i lelei taha 'eni 'oku lolotonga ngaue'aki 'e he ngaahi fonua 'Esia mo e Pasifiki.

(The Fish Habitat Reserve (no fishing or collecting for anyone) within the Special Management Area covers approximately 10% of the total area. This was considered important by the community to allow the habitat to be undisturbed and allow for the replenishment of marine organisms in the area. The Fish Habitat Reserve was selected to include a cross section of habitats and depth ranges (seagrass, inshore reef, and reef drop-off), the area was considered damaged and in need of rehabilitation, the area was also considered suitable for restocking and protection of giant clams. Such an area where no fishing and collecting occurs will provide the Ministry with a useful monitoring site for the impact of Fish Habitat Reserves on community fish catch, the community is willing to participate and assist in the monitoring. No community-managed Fish Habitat Reserves currently exist in Tonga, however Fish Habitat Reserves (no fishing areas) have proved to be an effective management tool in many countries in the Asia-Pacific region.)

7.0 PalaniNgaue. (Action Plan)

7.1 Ako'i mo fakalalakaka 'a e ngaahi taukei fakatoutai (Training and Skills Development)

7.1.1 Ako'i mo tokoni'i 'a e kakai 'o 'O'ua ke fakasi'isi'iange 'a e toutai he ngaahi matafanga (hange ko hono ako'i toutai longo laine iiki, ako'i hono fakamaketi'i/ founa fakatolonga 'o e ika hange ko hono faka'ahu 'o e ika, mo ha me'a kehe 'e tokoni ki he'enua mo'ui)

(Training and assistance for 'O'ua community to reduce pressure on inshore resources (eg. offshore mini-longline fishing, market/ processing alternatives, fish smoking, and alternative livelihoods)

7.1.2 Ako'i ke fakalalakakaange 'a e 'ilo 'a e kakai 'o 'O'ua felave'i mo hono pule'i mo malu'i 'a e feitu'u pule'i makehe.

(Training and skills development and assistance for 'O'ua community to increase capacity for management and enforcement.)

7.2 Feitu'u Pule'i Makehe (Special Management Area)

7.2.1 Ko e ngatangata'anga 'o e Feitu'u Pule'i Makehe 'oku faka'ilonga'i'aki 'a e laine hangatonu 'oku ne fakafehokotaki 'a e ngaahi poini fakalatitute mo e longitute 'a ia 'oku ha 'i he Tepile 2 & 3 (Kataki 'o vakai ki he Mape 2). 'E fokotu'u ha ngaahi poe / pou faka'ilonga he ngaahi feitu'u pau 'i he ngatangata'anga (kataki 'o vakai ki he Mape 3 mo hono ngaahi poini fakalatitute mo longitute 'a ia 'oku ha 'i he Tepile 4 & 5) pea ka 'ikai ia pea ngaue'aki leva 'a e ngaahi ngatangata'anga 'o e hakau ko ha faka'ilonga.

(The Special Management Area boundary is legally defined by the straight lines connecting the points whose latitude and longitude are shown in Tables 2 & 3. (Please refer to the Map 2). Marker buoys/posts will be placed and maintained where possible at strategic locations around the boundary (Please refer to Map 3 with coordinates provided in Tables 4 & 5). The natural reef dropoff will provide a visible reference point.

7.2.2 Feitu'u toutai'anga ma'ae kakai 'o 'O'ua pe (Fishing Area for 'O'ua residents only)

(i) Ko e toutai ta'efakalao mo fakatu'utamaki 'oku tapui ia ki ha taha pe 'i he Feitu'u Pule'i Makehe 'o tatau ai pe ko hai (vakai ki he Lao ki hono Pule'i 'o e Toutai 2002)

(Illegal and destructive fishing and collecting activities are banned within the Special Management Area, this applies to everyone. Refer to the Fisheries Management Act 2002.)

- (ii) Ko e toutai mo e faama 'i loto 'i he Feitu'u Pule'i Makehe 'oku 'ataa pe ia ki he kakai kotoa 'o 'O'ua (tohi kakai 'a 'O'ua) 'a ia kuo hiki kinautolu 'i he lisi Lesisita 'a e Kau Toutai 'a 'O'ua mo e lisi Lesisita 'o e Ngaahi Vaka Toutai 'a 'O'ua.

(Fishing and aquaculture activities are only permitted for the people of 'O'ua (currently registered 'O'ua residents) who are listed on the 'O'ua Register of Fishers and 'O'ua Register of Fishing Vessels within the Special Management Area boundary.)

- (iii) Ko ha taha kuo ne toutai pe fangota 'i loto he Feitu'u Pule'i Makehe 'a 'O'ua ta'e ma'u ha ngofua kuo pau ke ne halaia ki ha hia pea kuo pau 'i he'ene halaia ke mo'ua ki ha tautea pa'anga 'e 'ikai laka hake 'i he T\$50,000.

(A maximum fine of T\$50,000 will be placed on a person convicted of fishing or collecting within the 'O'ua Special Management Area without proper authorisation.)

- (iv) Ko ha taha kehe 'oku 'ikai kau 'i he lisi 'o e Kau Toutai 'a 'O'ua, 'e ngofua ke kole ki he Komiti Pule ki he Kolo Matatahi 'a 'O'ua ke ma'u ha'ane 'Tohi Ngofua ki he Toutai Fakataumu'a ki he Ma'ume'atokoni' 'i he loto Feitu'u Pule'i Makehe kae tapu 'i he Feitu'u Malu'i 'o e Nofo'anga Ika. 'I 'O'ua, 'oku 'uhinga 'a e 'toutai fakataumu'a ki he ma'ume'atokoni' ki he 'toutai 'oku taumu'a ki he ma'ume'atokoni 'a e famili, 'o 'ikai ke fakatau atu pe fakafetongi, pea 'oku fakangatangata 'a e toutai ni ke 'oua 'e toe laka hake 'i he taki kilo 'e 5 'o e fa'ahinga me'a mo'ui mei tahi 'a ia 'oku ha 'i he tohi ngofua ni ('e toki fakapapau'i 'e he Komiti, hili ho'o kole tohi ngofua, 'a e fa'ahinga me'a mo'ui 'e ngofua ke ke toutai'i) ki he folau toutai pe 'e taha 'i he 'aho kuo fakangofua ke fakahoko ai ho'o toutai, ki he tokotaha pe 'oku hiki 'ene hingoa 'i he tohi ngofua ko eni. Ko ha taha pe vaka kuo ma'u atu 'oku laka e fua 'ene toutai 'i he fua kuo fakangofua ki ai pe kuo ne maumau'i ha toe tu'utu'uni kehe 'o e tohi ngofua, 'e kaniseli leva 'e he Komiti 'ene tohi ngofua pe ala mo'ua ki ha tautea pa'anga. 'E 'ikai laka hake he tohi ngofua 'e 30 'e tukuatu 'e he Komiti he ta'u. 'E tukuatu 'e he Komiti 'a e tohi ngofua, ka kuo pau ke 'oua toe si'i hifo he kau memipa 'e 5 'o e Komiti te nau loto lelei ke tali 'a e kole.

(Any other person not listed on the 'O'ua Register of Fishers can apply for a 'subsistence fishing permit' from the CCMC for subsistence fishing purposes only within the Special Management Area but not within the Fish

Habitat Reserve. For 'O'ua,' subsistence fishing' is defined as 'fishing for the purposes of household consumption, not for commercial sale or barter and is limited to a maximum of 5 kilograms of each of the organisms specified on the permit, (organisms permitted for harvesting, will be determined by the CCMC on each permit application), per fishing trip, on the date specified, only for the person named on the permit. Any person or vessel found exceeding the maximum catch limit listed in their permit or breaching any other condition of the subsistence fishing permit will have their permit cancelled or be liable for a penalty. A maximum number of 30 permits will be issued by the CCMC per year. The Permit may be issued by the CCMC, only after a minimum of 5 members of the CCMC have endorsed the request.)

- (v) Ko e ngaahi vaka 'iote kuopau ke ma'u ha'anau ngofua mei he Komiti Pule 'a 'O'ua ke nau li taula mo toutai he feitu'u ni. Ko e totongi 'o e ngofua 'e 'ikai ke to e lakahake he pa'anga 'e 25. Ko e feitu'u li'anga taula kuopau ke faka'ilonga'i ke fakasi'isi'i ha maumau, pea ko e poe ke no'o ki ai honau vaka 'e malava pe ke fokotu'u. Kapau 'oku fiema'u ke fakahoko ha toutai 'i he loto Feitu'u Pule'i Makehe, kuo pau ke kole ki he Komiti ha tohi ngofua ke toutai fakataumu'a ki he ma'ume'atokoni.

(Yachts may apply to the Coastal Community Management Committee for a permit to anchor in the area. This may incur a permit fee to a maximum of T\$25. Anchoring sites will be recommended to reduce anchoring damage, mooring buoys may also be installed. If the yacht wishes to fish in the Special Management Area, it may apply to the CCMC for a subsistence fishing permit.)

7.2.3 Lesisita 'o e Ngaahi Vaka Toutai Mo e Kau Toutai 'a 'O'ua (*'O'ua Register of Fishing Vessels and Register of Fishers*)

- (i) Ko e vaka kotoa 'oku toutai pe fakahoko ha ngaue kehe 'i loto 'i he Feitu'u Pule'i Makehe 'e fiema'u ke lesisita pe fakaha ki he Komiti 'a e fakaikiiki 'o 'enau ngaahi toutai pe ngaue kehe 'oku teu ke fakahoko.
(All vessels fishing or conducting other activities within the Special Management Area will be required to register their details with the Coastal Community Management Committee.)
- (ii) 'E vakai'i ma'u pe he mahina kotoa pe 'e he Komiti 'a e ongo lisi lesisita pea 'e 'oange ma'u pe ha tatau ki he Potungaue Toutai
(Both list of registers will be reviewed every month by the CCMC and copies will be forwarded to the Department of Fisheries)

7.3. Feitu'u Tapu ki he Toutai/ Malu'i e nofo'anga 'o e ika
(No Fishing Area/ Fish Habitat Reserve)

- (i) Ko e ngatangata'anga 'o e Feitu'u Malu'i e Nofu'anga 'o e Ika 'e fakamahino'aki 'a e ngaahi poini 'oku ha 'i he Tepile 3 pea kuopau ke faka'ilonga'i'aki ka faingamalie ha poe mo ha 'akau 'oku 'i ai hono fuka 'a ia 'oku ha 'i he Tepile 5. Ko e feitu'u 'oku tu'u ia he fakatonga hahake 'o e motu (vakai ki he Mape 2 & 3)
(The boundary of the Fish Habitat Reserve will be defined by the points provided in Table 3 and will be demarcated where possible with buoys and flagged posts provided in Table 5. The area is located to the south-east of the island; please refer to the attached Maps 2 & 3.)
- (ii) 'E 'ikai 'ataa, (ke 'alu'i pe heka vaka) pe toutai 'i he feitu'u 'oku malu'i ki he nofo'anga 'o e ika. Ko e feitu'u ni 'oku tapui ki he taha kotoa pe.
(No access, (by foot or vessel) fishing or collecting will be allowed unless permitted under 7.3.(iii) within the Fish Habitat Reserve. This area is effectively closed to everyone.)
- (iii) 'E fakangofua 'e he Komiti Pule ha taha pe 'oku fakataumu'a ki he ngaue ke fakatupu tokolahi 'a e ngaahi me'a mo'ui pe ko hono faama'i 'o e me'a mo'ui, hange ko e vasuva mo e takaniko, ' i he taimi pe 'oku 'i ai 'a e fakafofonga 'o e Potungau'e Toutai.
(Access may be permitted by the Coastal Community Management Committee for the purpose of restocking and potential mariculture of marine species (eg. clams, green snails) when a Department of Fisheries representative is present.)
- (iv) Ko ha taha kuo ne kolosi (lue lalo pe folau vaka) 'i loto he Feitu'u Malu'i e Nofu'anga 'o e Ika kuo pau ke ne halaia ki ha hia pea kuo pau 'i he'ene halaia ke mo'ua ki ha tautea pa'anga 'e 'ikai laka hake 'i he T\$10,000.
(A person convicted of trespassing (walking or by vessel) within the Fish Habitat Reserve will be subject to a fine of up to T\$10,000.)
- (v) Ko ha taha kuo ne toutai pe fangota 'i loto he Feitu'u Malu'i e Nofu'anga 'o e Ika kuo pau ke ne halaia ki ha hia pea kuo pau 'i he'ene halaia ke mo'ua ki ha tautea pa'anga 'e 'ikai laka hake 'i he T\$50,000.
(A person convicted of fishing or collecting within the Fish Habitat Reserve is subject to a fine of up to T\$50,000.)
- (vi) Ko e Palani ki hono pule'i 'o e nofo'anga 'o e ika kuopau ke to e vakai'i mo fakalelei'i hili e ta'u 'e 5 kotoa pe.
(Management of the Fish Habitat Reserve will be reviewed after 5 years.)

(vii) Ko hono toutai'i, to'o, ngaue'aki pe faka'aonga'i mo fakatau atu ha me'a mo'ui mei he 'elia faama'anga ika, 'e toki faka'ataa pe ia 'e he pule 'o e Potungaue Toutai 'a Ha'apai. Ko e tupu 'e ma'u 'e foaki ia ki he Komiti Pule ke tauhi'aki 'a e ngaahi ngaue 'i he feitu'u ni (hange ko e fakafo'ou 'o e ngaahi faka'ilonga pea mo e li 'o e tohoaki'anga ika).

(Harvesting of mariculture species from the area will only occur with approval of the Ha'apai Department of Fisheries Officer In Charge. Profits from the harvest will go to the Coastal Community Management Committee to be used for management activities (eg. marker replacement, FAD deployment).

8.0 Founga Pule'i (Management Strategy)

(Ko e ngaahi founga 'e tokanga'i'aki mo pule'i'aki 'e he kolo 'a e Feitu'u Pule'i Makehe, pea tokoni atu ki ai 'a e Potungaue Toutai.)

(Management strategies the community will apply to the Special Management Area, including the support of Department of Fisheries)

8.1 'E fakataha fakamahina ua 'a e Komiti pule 'a 'O'ua, tukukehe pe ka toki 'i ai ha fiema'u fakavavevave, 'a ia 'e fakakakato 'e he Komiti 'a e ngaahi fatongia kuo tu'utu'uni'i 'e he lao.

(The 'O'ua Coastal Community Management Committee (CCMC) will meet every two months unless there is a need for an emergency meeting, and will fulfill the responsibilities as defined in the regulations.)

8.2 'E tauhi 'e he Komiti a 'O'ua pea mo e Potungaue Toutai ha tatau 'o e ngaahi vaka kuo lesisita ke toutai 'i he Feitu'u Pule'i Makehe 'o 'O'ua *(A current copy of the vessel register will be held by the O'ua CCMC and the Department of Fisheries.)*

8.3 'E 'ahia mo tokonia 'e he fakafofonga 'o e Potungaue Toutai 'a e Komiti 'i ha fo'i vaha'a taimi pau, 'a ia he 'ikai ke to e loloaange he mahina 'e ua 'a e 'a'ahi 'i he 'uluaki ta'u. Hili ko ia pea 'e to e vakai'i. 'E malava pe ke fetu'utaki 'a e Komiti Pule mo e Potungaue Toutai he telefoni pe letio felave'i mo hono fakahoko 'o e ngaahi lao pe ko ha fiema'u fakavavevave. 'E 'oange foki ki he Komiti Pule 'a e lisi 'o e ngaahi hingoa mo e fika ke fetu'utaki ki ai.

(The Department of Fisheries representative will visit and assist the CCMC on a regular basis with a minimum of bi-monthly visits for the first year, after which this will be reassessed. The CCMC and the MoF will be

able to contact one another by phone or radio for enforcement or emergency purposes. A contact list of names and numbers will be provided to the CCMC.)

8.4 'E fanongonongo he letio 'a e Feitu'u Pule'i Makehe (Special Management Area) hili ia 'a e fakamo'oni pe loto ki ai 'a e Minisita Toutai. *(A radio announcement of the Special Management Area will be made after approving and signing by the Minister of Fisheries.)*

8.5 'E fokotu'u ha ngaahi papa faka'ilonga 'o e Feitu'u Pule'i Makehe (SMA) mo e Feitu'u Malu'i e Nofo'anga 'o e Ika (Fish Habitat Reserve) 'i he uafu mo e ngaahi holo fakakolo ke 'ilo ki ai 'a e kakai. *(A sign showing the Special Management Area and Fish Habitat Reserve will be installed at the wharf area and community hall to inform people about the area.)*

8.6 'E tufotufa atu ki he ngaahi kolo kaunga'api mo e ngaahi vaka 'iote 'a'ahi ha ngaahi fakamatala mo ha tu'asila felave'i mo e Komiti Pule 'a 'O'ua ke fakahoko ki ai ha fetu'utaki. E tufotufa mo e ha ngaahi tatau 'o e mape 'oku ha ai 'a e ngaahi feitu'u ke tokangaekina mo ha ngaahi feitu'u pe 'oku fakakaukau'i. 'E fakamahino ki he kakai 'a e ngaahi ngaue 'oku tapu pea mo tokangaekinga 'e 'Oua. *(Information and contact details of the 'O'ua CCMC and a copy of the map with the Special Management Area, Fish Habitat Reserve and other points of interest will be distributed to neighbour communities and visiting yachts to inform them of the restrictions and management activities.)*

8.7 'E fakahoko 'a e kole ki he poloseki Toutai 'a Tonga (AusAID) ke nau foaki mai pea fokotu'u 'a e ngaahi faka'ilonga ki he ngatangata'anga 'o e feitu'u nofo'anga ika 'a ia 'oku tapui (Fish Habitat Reserve), pea tokoni pe ki ai 'a e kakai e kolo mo e Potungaue Toutai. Ko e fatongia leva 'o e Komiti Pule ke fetongi'aki 'a e ngaahi faka'ilonga ha ngaahi naunau tokoni mei tu'a pe ko e tanaki pa'anga 'a e kolo. *(A request to the TFP (AusAID) to assist to install markers for the boundary of the Fish Habitat Reserve (closed fishing area), the community will provide the labour and locally available materials/ equipment, the MoF/ TFP will provide materials and technical assistance. Replacement of markers will be the responsibility of the CCMC by accessing outside assistance or raising the funds from the Community.)*

8.8 'E fakahoko 'e he Potungaue Toutai ha ngaahi ako ma'ae Komiti Pule fekau'aki mo e ngaahi Lao Toutai pea mo e ngaahi founa faipau ki he lao.

(The Department of Fisheries will train the CCMC about Fisheries legislation, laws, and compliance strategies.)

8.9 'E kole 'e he Komiti Pule ha ngaahi tokoni ke fakatau ha letio (tatau mo ia 'oku lolotonga ngaue'aki 'e he poloseki Toutai 'a Tonga (TFP) ke tokoni ki he fetu'utaki mo e fakahoko 'o e ngaahi lao.

(The CCMC will request for assistance to purchase marine radios (currently used by TFP) to assist with the communication and enforcement initiatives.)

9.0 Vakai'i mo Sivi'i (Monitoring and Evaluation)

(Ko e ngaahi founa ke vakai'i'aki 'a e tu'unga 'oku 'i ai e feitu'u pule'i makehe pea sivi'i pe 'oku fakalalakaka pe holo.)

(How the community will monitor the situation and assess if the situation is improving or declining.)

9.1 'E tokoni 'a e Potungaue Toutai ki he kakai e kolo ke fa'u ha polokalama ke fakahoko'aki 'a e ngaahi lao 'i he Feitu'u Pule'i Makehe.

(The MoF will assist the community to develop a compliance plan for the SMA.)

9.2 'E malava pe 'e he kakai e kolo ke kole ki ha kautaha mei tu'a hange ko e tokoni 'a e Pule'anga 'Aositelelia (AusAID) ke fakapa'anga ha vaka mo ha misini ke ngaue'aki taafataha pe ki hono fakahoko 'a e ngaahi tu'utu'uni malu'i mo pule'i mo e ngaahi ngaue pehe. Ko e fakamole ki he lolo ki he vaka fakataha mo hono tokanga'i 'e fua ia 'e he kakai e kolo. Kapau 'e 'ikai ke tali 'a e kole tokoni pea 'e ngaue'aki leva 'a e 'u vaka 'o e kakai e kolo 'o ka faingamalie.

(The community will request outside agencies (including AusAID) for funding for a vessel and motor to be used exclusively for enforcement and management activities. Costs of fuel and maintenance would be provided by the community. If the request is unsuccessful community vessels will be used when available.)

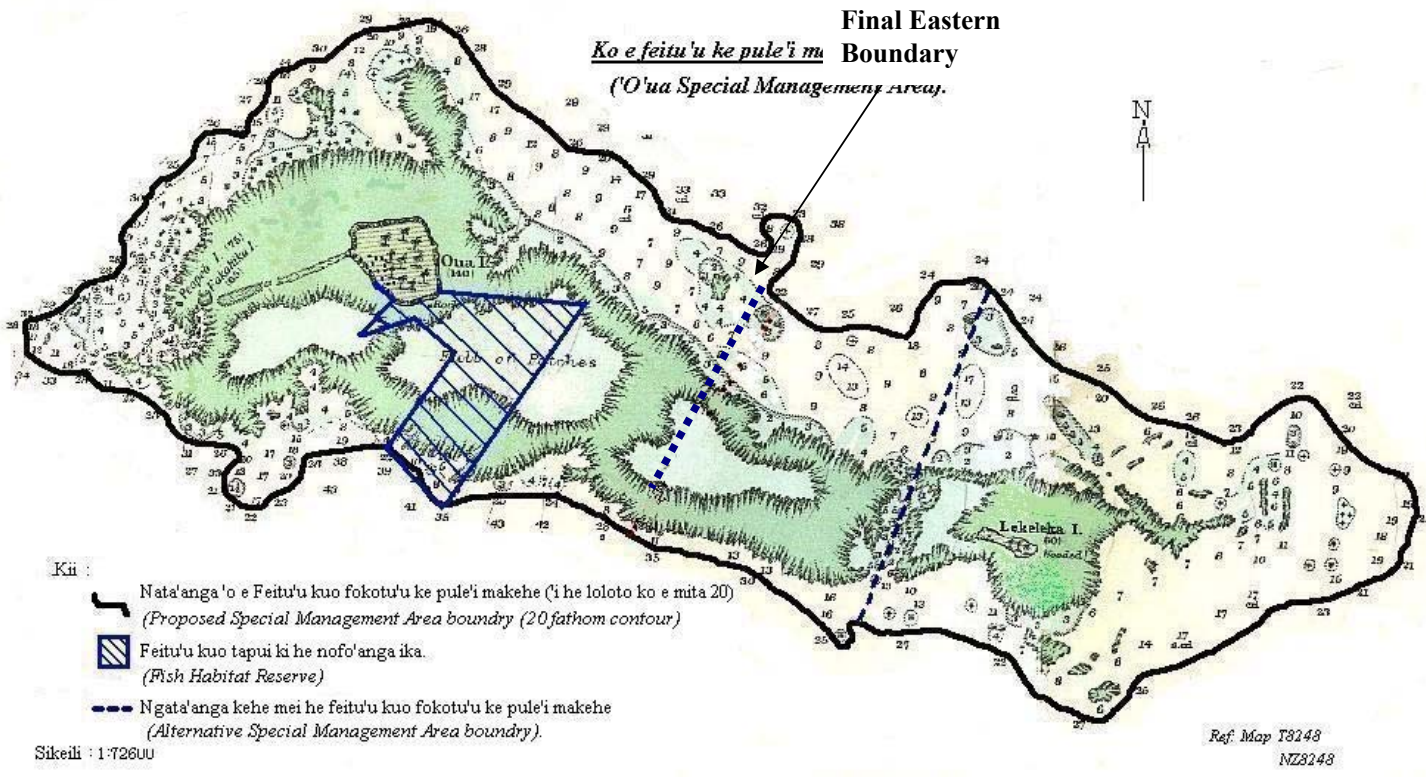
9.3 Ke muimui'i ma'u pe 'e he Potungaue Toutai 'a e tu'unga 'oku 'i ai 'a e kolo 'i hono 'analaiso 'a e ngaahi feliliuaki, fa'ahi ta'u, tu'unga faka'ekonomika, savea ki he ngaahi 'api, mo ha Palani ke hoko ko e ngaahi makatu'unga ia 'o e ngaue he kaha'u.

(The Department of Fisheries will monitor the community situation by analysing the trend analysis, seasonal calendar, socio-economic, household surveys, and the plan)

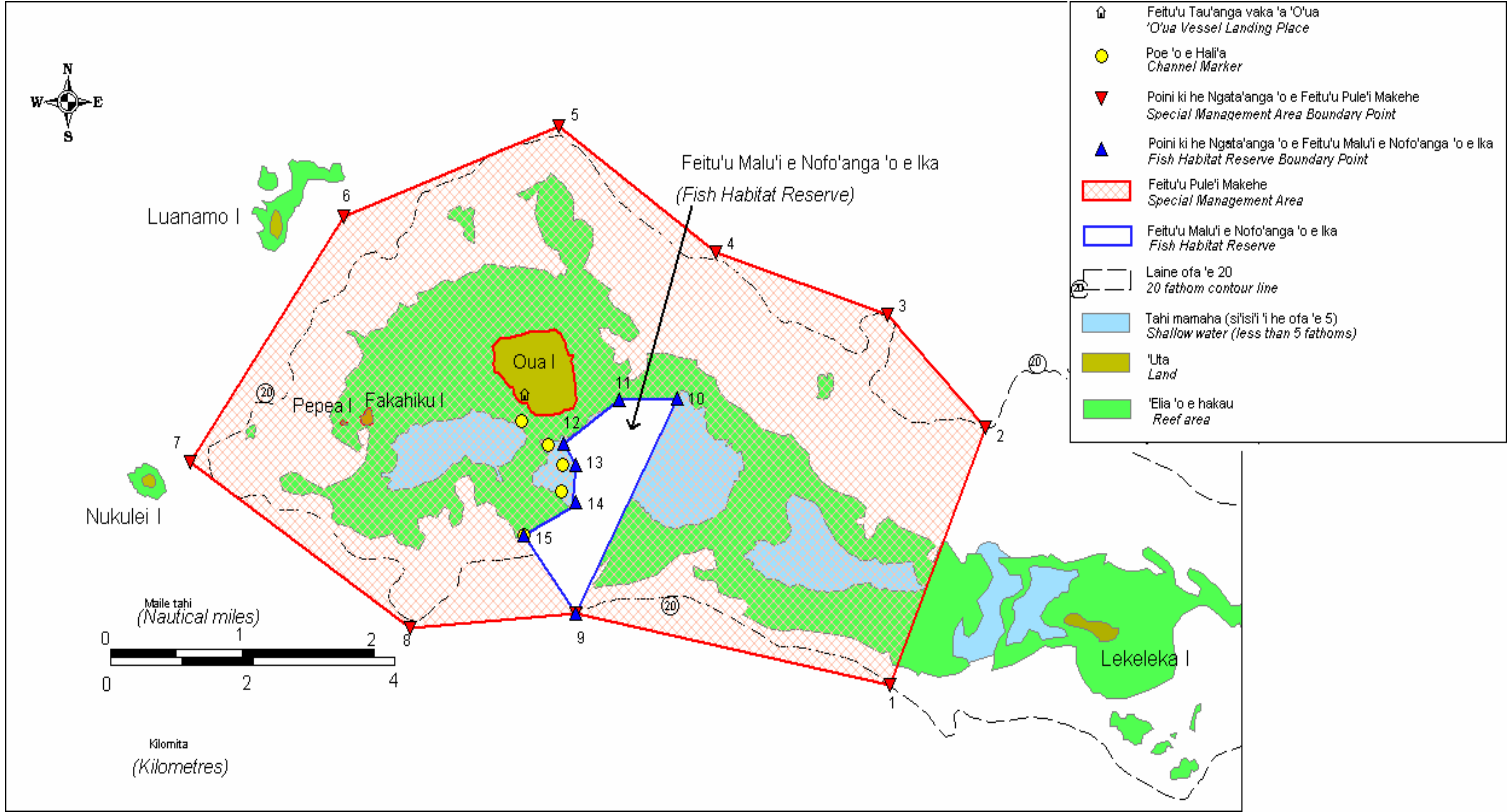
9.4 Vakai'i 'a e ola e toutai 'a e kau toutai taautaha / ngaahi vaka ke fai ia 'e he Komiti pule pea tokoni ki ai 'a e Potungaue Toutai. Ako'i e ngaahi kulupu to'utupu 'e he Potungaue Toutai ke nau malava 'o vakai'i e ola e toutai pea kuopau ke fai ia 'i he 'uluaki mahina'e tolu mei he 'aho na'e fakahoko 'a e palani. *(Fish catch monitoring of individual fisher/ fishing vessel catches will undertaken by the CCMC with assistance from MoF. Training of Youth Groups by MoF on Fish catch monitoring will be undertaken in the first 3 months of implementation of the Plan.)*

9.5 Vakai'i fakata'u 'a e nofo'anga 'o e ika 'o fakatatau ki he tu'unga na'e 'i ai 'i hono 'uluaki savea'i. Ko e Potungaue Toutai/ Poloseki Toutai 'a Tonga ke na ako'i ha fa'ahinga 'i he kolo ke nau hokohoko atu fakata'u 'a e savea. 'E felotoi e kolo pea mo e Potungaue ki ha polokalama tu'uloa ke vakai'i'aki e ngaue 'o fakatefito ia he 'uluaki ola 'o e savea. *(An annual assessment of the fish habitat will be established to compare its status with the initial survey. The MoF/TFP will train community members to continue the annual survey. A sustainable monitoring program will then be agreed to by the community and MoF depending on the initial results)*

MAPE 1 (MAP 1) --- Feitu'u Pule'i Makehe 'e 'O'ua. ('O'ua Special Management Area)



MAPE 2 FAKA'ILONGA POE TAKATAKAI 'O E FEITU'U PULE'I MAKEHE 'O 'O'UA
MAP 2 'O'UA SPECIAL MANAGEMENT AREA WITH OUTER BOUNDARY MARKER BUOY LOCATIONS



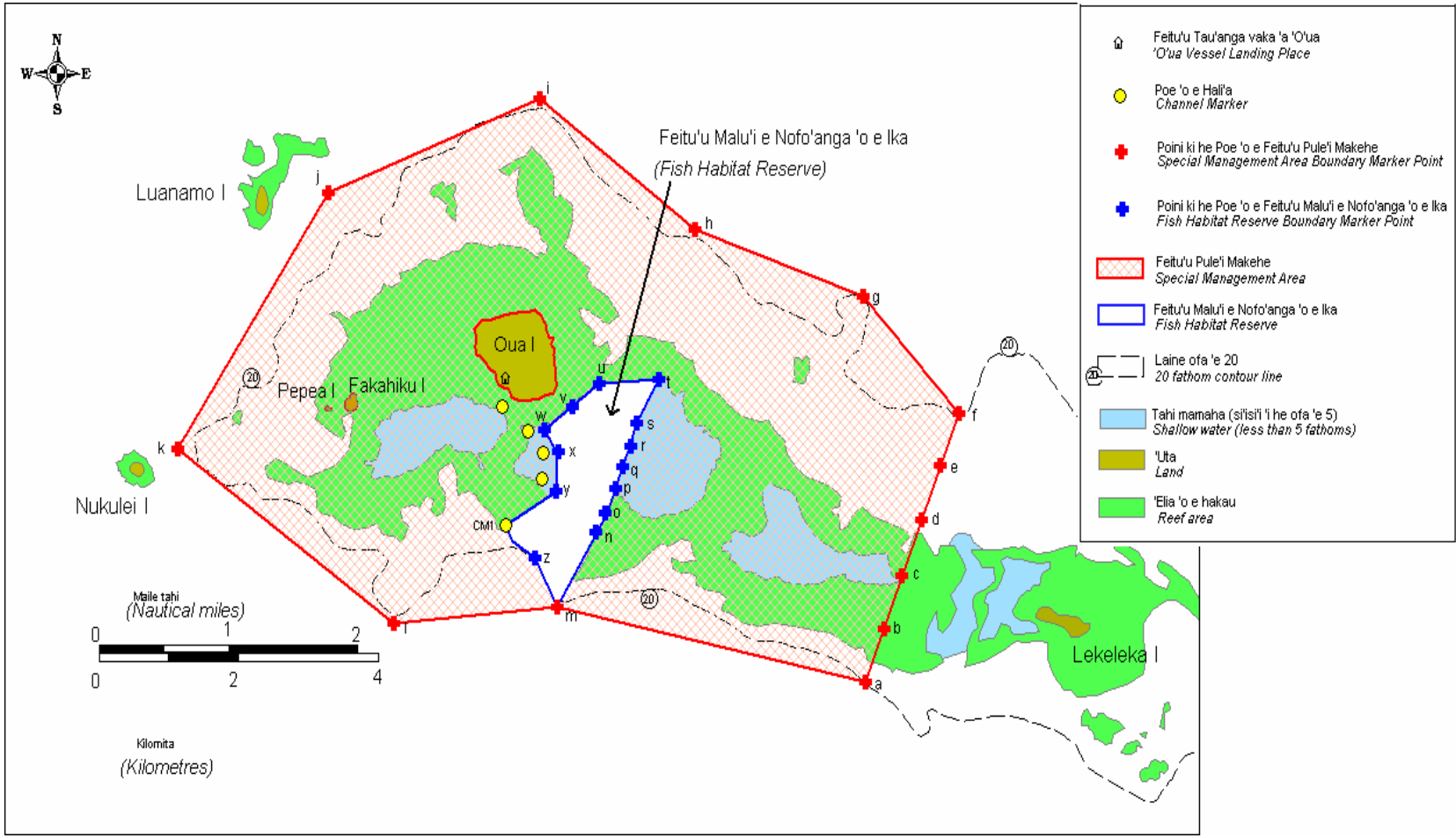
Tepile 2: Longitute mo e latitute fakangatangata 'o e Feitu'u Pule'i Makehe 'o 'O'ua (WGS84)
(Table 2 Longitude and Latitude of Special Management Area Outer Boundary Points (WGS84))

Marker Name	Longitude	Latitude	Decimal Longitude	Decimal Latitude
1	174°38'2.4"W	20°4'27.5"S	174.634°W	20.0743°S
2	174°37'15.6"W	20°2'42.7"S	174.621°W	20.0452°S
3	174°38'2.4"W	20°1'56.6"S	174.634°W	20.0321°S
4	174°39'25.2"W	20°1'29.3"S	174.657°W	20.0248°S
5	174°40'40.8"W	20°0'36.7"S	174.678°W	20.0102°S
6	174°42'28.8"W	20°1'14.5"S	174.708°W	20.0207°S
7	174°43'40.8"W	20°2'56"S	174.728°W	20.0489°S
8	174°41'52.8"W	20°4'5.2"S	174.698°W	20.0681°S
9	174°40'33.6"W	20°3'58.7"S	174.676°W	20.066°S

Tepile 3: Longitute mo e Latitute fakangatangata 'o e Feitu'u Malu'i e Nofu'anga 'o e Ika 'a 'O'ua (WGS84)
(Table 3: Longitude and Latitude of 'O'ua Fish Habitat Reserve Boundary Points (WGS84))

Boundary Point	Longitude	Latitude	Decimal Longitude	Decimal Latitude
9	174°40'33.6"W	20°3'58.7"S	174.676°W	20.066°S
10	174°39'43.2"W	20°2'28.3"S	174.662°W	20.0412°S
11	174°40'12.6"W	20°2'30.3"S	174.6702°W	20.0417°S
12	174°40'39.9"W	20°2'48.4"S	174.6778°W	20.0468°S
13	174°40'33.6"W	20°2'57.8"S	174.676°W	20.0494°S
14	174°40'33.6"W	20°3'12.6"S	174.676°W	20.0535°S
15	174°40'58.9"W	20°3'26.5"S	174.68302°W	20.05735°S

MAPE 3 FAKA'ILONGA POE TAKATAKAI 'O E FEITU'U PULE'I MAKEHE 'O 'O'UA
MAP 3 'O'UA SPECIAL MANAGEMENT AREA WITH OUTER BOUNDARY MARKER BUOY LOCATIONS



Tepile 4: Longitute mo e latitude 'o e ngaahi faka'ilonga poe fakangatangata 'o e Feitu'u Pule'i Makehe 'a 'O'ua (WGS84)
(Table 4: Longitude and Latitude of 'O'ua Special Management Area Boundary Marker Buoy Points (WGS84))

Marker Name	Longitude	Latitude	Decimal Longitude	Decimal Latitude
a	174°38'2.4"W	20°4'27.5"S	174.634°W	20.0743°S
b	174°37'51.6"W	20°4'7.7"S	174.631°W	20.0688°S
c	174°37'44.4"W	20°3'46.4"S	174.629°W	20.0629°S
d	174°37'33.6"W	20°3'24.5"S	174.626°W	20.0568°S
e	174°37'22.8"W	20°3'2.9"S	174.623°W	20.0508°S
f	174°37'15.6"W	20°2'42.7"S	174.621°W	20.0452°S
g	174°38'2.4"W	20°1'56.6"S	174.634°W	20.0321°S
h	174°39'25.2"W	20°1'29.3"S	174.657°W	20.0248°S
i	174°40'40.8"W	20°0'36.7"S	174.678°W	20.0102°S
j	174°42'28.8"W	20°1'14.5"S	174.708°W	20.0207°S
k	174°43'40.8"W	20°2'56"S	174.728°W	20.0489°S
l	174°41'52.8"W	20°4'5.2"S	174.698°W	20.0681°S
m	174°40'33.6"W	20°3'58.7"S	174.676°W	20.066°S

Tepile 5: Longitute mo e latitute ‘o e ngaahi faka’ilonga poe fakangatangata ‘o e Feitu’u Malu’i e Nofu’anga ‘o e Ika ‘a ‘O’ua (WGS84)

(Table 5: Longitude and Latitude of the ‘O’ua Fish Habitat Reserve Boundary Marker Buoy Points (WGS84))

Marker Name	Longitude	Latitude	Decimal Longitude	Decimal Latitude
n	174°40'15.6"W	20°3'28.4"S	174.671°W	20.0579°S
o	174°40'8.4"W	20°3'21.6"S	174.669°W	20.056°S
p	174°40'4.8"W	20°3'11.2"S	174.668°W	20.0531°S
q	174°40'1.2"W	20°3'2.5"S	174.667°W	20.0507°S
r	174°39'57.6"W	20°2'55.3"S	174.666°W	20.0487°S
s	174°39'54"W	20°2'46"S	174.665°W	20.0461°S
t	174°39'43.2"W	20°2'28.3"S	174.662°W	20.0412°S
u	174°40'12.6"W	20°2'30.3"S	174.6702°W	20.0417°S
v	174°40'25.7"W	20°2'39.5"S	174.6738°W	20.0443°S
w	174°40'39.9"W	20°2'48.4"S	174.6778°W	20.0468°S
x	174°40'33.6"W	20°2'57.8"S	174.676°W	20.0494°S
y	174°40'33.6"W	20°3'12.6"S	174.676°W	20.0535°S
z	174°40'44.4"W	20°3'40.3"S	174.679°W	20.0612°S
CM1	174°40'58.9"W	20°3'26.5"S	174.683°W	20.0574°S

FA'AHAI'TA'U Seasonal Calendar for 'O'ua, Ha'apai	J	F	M	A	M	J	J	A	S	O	N	D
FAKAMATALA 'EA Weather (Temp, Rain/Dry, wind dir)	 NE	 NE	NE	 	 	 						
NGAAHI 'AHO MAHU'INGA Important Community Dates	S Hol CF			PEKIA EASTER		S Hol Halala		S Hol				S Hol CF
'UFI Yams												
	Ututa'u H A R V E S T			Tota'u P L A N T I N G					Ututa'u HARVEST			
FEKE Octopus			X	X	X	X	X	X	X	S	S	S
'OTULE Big eye scad	X	X	X	X							X	
O Rabbitfish	X	X	X	X				S	S	S	X	
'UO Lobster	X	X	X	X	X	X	X	X	X	X	X	X
	☾ Tu'uefiafi (1 ST Quarter moon) – move to shallow water											
NGATALA Seranids/coral trouts & rock cods												
	Ngatala - All year											
KANAHE Mullet										S	S	S
TEE'PUPULU Long seacucumber	X									X	X	X
TUKUMISI Sea Urchin	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS
'UMANA Sea anenome	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS	XS

FONU Turtles	E	E						E	E	E	E	E
LIMU TANGA'U Seaweed/ Euchema										UTU TA'U HARVEST		
MUSIE TAHI Seagrass		Tupulaki High growth										
MA'OLUNGA PA'ANGA HU MAI High income					\$	\$	\$	\$				
PA'ANGA MEI MULI Income from remittance										\$	\$\$	\$\$
TOUTAI KEHE Outsiders fishing in their area					☹	☹	☹	☹				
TOUTAI TA'EFKALAO Illegal fishing ☠					☠							

Full Moon – Mahina Katoa
 Last Quarter - Mahina Kalipa
 New Moon – Mahina fo'ou
 First Quarter – Mahina Tu'uefiafi

SANUALI	JANUARY
FEPUELI	FEBRUARY
MA'ASI	MARCH
'EPELELI	APRIL
ME	MAY
SUNE	JUNE
SIULAI	JULY
'AKOSI	AUGUST
SEPITEMA	SEPTEMBER
'OKATOPA	OCTOBER
NOVEMA	NOVEMBER
TISEMA	DECEMBER