

WIAWI

KOMUNITI TOTEL MANEJMEN PLAN 2025



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Grin totel swim long solwota. Foto hemi blong Freepik

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Apruvol Blong

Wiawi Komuniti Total Manejmen Plan emi blong protektem mo man ejem totel long eria blong Wiawi, long Not West Malekula Aelan.

Folem olgeta paoa mo luksave anda long seken 5 blong plan ia, mifala ol pipol blong Wiawi komuniti tru long tufala jif blong mifala weten Jeaman blong Not West Eria Kaonsel wetem Daerector blong Vanuatu Fisheries Department mo Director blong Environment Department insaed long Malampa Province, mifala i apruvum Wiawi Komuniti Total Manejmen Plan ia.

Jif, Wiawi Komuniti:

Nem TIMOTHY NIHAPI

Signeja Tilapi

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Nem JERRYSON HOSEA ANAT

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Daerekta, Dipatmen Blong Fiseri:

Nem SOMPERT CERENA

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Nem GRACE. NAPARAU

Signeja [Signature]

Jeaman, Wiawi Total Monitoring Komiti:

Nem Colonel Nehapi

Signeja Colonel Nehapi

Mifala i saenem pepa ia long dei ia:

16/JUNE/2025

Tok Tankyu

Total Manejmen Plan blong Nagha - Pineia (Wiawi Komiuniti) 2024 hemi kamaot tru long kontribusen blong plante pipol mo stekholda. Christopher Bartlett mo Donald James tufala I raetem fes draft blong plan ia mo wok wetem pipol blong Wiawi espeseli Jif Timothy Nihapi mo Jif Konel Nihapi, mo yumi talem buigfala toktangio long tufala. Ripot hemi bin go tru long riviui wetem Kalo Pakoa mo Ken Kassem long SPREP, mo Vanuatu Fiseri Depatmen mo Dipatmen blong Envaeromen Proteksenmo Konsevesen, Wan Smolbag Theatre mo Pathways projek blong help wetem riviui long plan ia. Total ManejmenPlan blong Nagha - Pineia (Wiawi Komiuniti) bae no save kam tru witaot sapot blong SPREP, we By-catch and Integrated Ecosystem Management (BIEM) i lidim tru long bigfala projek ia Pacific-European Union Marine Partnership (PEUMP) Program we European Union mo Gavman blong Sweden i fandem.



1. Introdaksen

Wiawi hemi wan impoten nesting saet blong total long Vanuatu menly blong Hawksbill total mo Green total. Pipol oli kam save Impotens blong eria ia long saed blong total afta long independens long ol yia 1990 tru long wok blong Dipatmen blong Forestry. Ol wok ia i lid i ko long setap blong Wiawi Konsevesen Eria. Afta long taem ia Wan Smol Bag (WSB) Total Monitoring Prokram i stat mo trenem ol kominiti long fasin blong lukaotem total. Kominiti blong Wiawi i statem wok wetem total long taem ia blong setemap monitoring mo konsevesen blong total tru long rikwes blong Jif Timothy mo brata blong hem Jif Konel Nihapi. Tufala olfala i wok had tumas blong sitemap Wiawi Konsevesen Eria mo investem taem mo eneji blong mekem se Wiawi hemi kam wan liding komiuniti-bes konsevesen eria blong total long kaontri.

WSB Total Monitoring Prokram i bin help bigwan blong promotem mo sapotem ol aktiviti blong komiuniti blong monitarem total, tru long fanding sapot blong SPREP mo olgeta narafala projek. Data we oli kolektem oli daarektem i ko long WSB, long ples we oli entarem i go long wan rijenol databes blong total we SPREP i manejem bes long Apia, Samoa. Olsem wan volentia wok, total monitoring wok long komiuniti i kat ol jalens blong em from i no gat kavman sapot long kaem wok ia. Ol olfala long Wiawi oli wari se bae ol youngfala bae oli lusum interes blong lukaotem total mo bae save tekem yumi kobak long taem bifo we ol man oli stap kilim ol total mo havestem eg blong em blong kakae.

Tru long funding sapot blong By-catch and Integrated Ecosystem Management (BIEM) initiative anda long Ki Risal Eria 5.7 blong blong Pacific-European Union Marine Partnership (PEUMP) Programme mo Secretariat of the Regional Environment Programme (SPREP), projek i givim sapot long komiuniti towods developmen blong plan ia. Long fes konsaltesen blong projek long 2019, komiuniti blong Wiawi i akri long BIEM projek blong developem integreted ekosistem manejen plan. Long Maj 2021, komiuniti blong Wiawi i emi bin rikwestem wan kominiti total manejen plan blong helpem wok ia we i stap tekem ples finis.

Tingting bihaen long Komiuniti Total Manejmen Plan (KTMP) ia hemi blong impruvum wok blong manejen total long komiuniti mo tekem wok blong monitarem i go andap narafala level folem tingting blong olfala blong Wiawi. Long taem blong 2021/2022 nesting sisen, konsalten blong BIEM projek i bin kontaktem konsaltesen wetem komiuniti long manejen plan ia. I gat tu ol konsaltesen wetem olgeta nasonal, rijenol mo intenasonal patna we inkludum Vanuatu Dipatmen blong Fiseri (VFD), Dipatmen blong Envaeromentol Proteksen mo Konsevesen (DEPK). Olgeta teknikal ekspet inkludum IUCN Marine Turtle Specialist Group (MTSG), olketa Vanuatai Risos Monitors, olgeta lokal NGO, mo SPREP Threatened and Migratory Species mo BIEM By-catch/CITES Kodineta blong TierraMar. Long manis Jun 2024, team i tekem draft plan ia i gobak long komiuniti mo presentem long olgeta mo tekem las tingting blong olgeta long em.

Ol kominiti memba blong Wiawi oli agri fulwan long KTMP ia long taem blong konsaltesen. Wiawi Kominiti Total Manejmen Plan ia bae i pat blong wan bikfala tingting blong kominiti blong rejestarem Wiawi Kominiti Konservasion Eria unda long Loa blong Environmen (Environment Act) long full area blong Wiawi.

2. Pepos Blong Manejmen Plan



Pikja 1. Wiawi total manejen plan konsaltesen long Jun 2024

Pipol blong Wiawi komiuniti oli laekem tumas total mo oli stap monitatem total plante yia finis. Wetem ol risk we total populesen i stap fesem tete, tru long ol damej long envaeromen blong olgeta mo ol distebens we man i mekem, komiuniti i wantem wan KTMP blong feswan luksave hadwok blong olgeta, be moa impoten nao blong tekem wok blong lukaotem total i go long neks level mo long fiuja. Wiawi KTMP emi wan komiuniti tingting blong protektem, konsevem mo manejen total, nest blong olgeta, eg mo pikinini total, ples we nes i stap long em oli stap long hem mo damej we pipol mo ol narafala animol i stap kosem long eria blong Wiaw. Emi fes taem blong i kat wan plan blong total long Wiawi. Plan ia emi bin go tru komiuniti konsaltesen (Pikja 1) mo i folem *Environment Conservation Act, the Fisheries Act* mo *National Plan of Action for Seabirds, Sharks and Marine Turtles*. Plan ia i kaidem wok tugeta wetem ol narafala komiuniti, ol patna, lokol mo nasonal kavman mo ol NGO blong strengtenem monitaring, manejen mo proteksen blong total. Ol main tingting long Wiawi KTMP emi blong mekem ol samting ia:

- Protektem mo mentenem ol naturol risos long Wiawi blong enjoemen blong pipol tede mo long fiuja;
- Impruvum wok blong monitarem total, eg blong em mo ol pikinini total taem oli brokbrok;
- Impruvum pefomens mo efektivnes blong ol total monita blong Wiawi;
- Andastanem gud populesen blong total mo wea ples oli travel i go em mo hamas taem wanwan total i kambak long nest;
- Kontribut long save abaot total long Vanuatu, long Pasifik mo raon wol;
- Bildim lokol kapasiti mo skil blong manejen total;
- Strengtenem tradisenol gavanens blong manejen ol naturol risos blong ples;
- Bildim netwok blong total monitaring jampion long eria mo aelan, serem infomesen mo tekem aksen blong sevem total;
- Developem sosol mo ekonomik benefit long kominiti tru long helti total populesen; mo
- Developem ekoturisim aktiviti tru long total monitaring resej mo konsevesen long Wiawi.

3. Bakgraon

3.1. Komiuniti, Kavanans Mo Pipol Blong Wiawi

Wiawi hemi wan smol kostal vilej long Notwest Malekula, Malampa provins long sentrol Vanuatu. Wiawi emi pat blong Not West Malekula Eria Kaonsel we Senta blong hem i stap long Tenmaru. Blong kasem Wiawi, hemi tekem fo (4) haao blong draev long Lakatoro (long Ist kost blong aelan) kasem Leviamb mo Wiel mo wokabaot kasem vilej. Kondisen blong rod i nogud tumas i mekem se fulap taem i had blong truck i pass. Plante taem, oli go long Unmet Bay blong kasem boat i go long Wiawi. Long Wiawi kominiti tedei i gat wan famle (famle Nehapi) we i mekemap populesen we i gat 54 pipol everiwan. Long namba ia 52% emi ol woman mo gel mo 48% emi ol man mo ol boy. From emi smol volej i gat smol namba blong medel man we oli strong i stap blong karemaot wok long vilej. Ol haos oli bildim wetem lokol materiel, espeseli bamboo, wood mo natangura long ruf. Kominiti i dipen long kraon well olsem sos blong wota kasem long 2022, kavman in setemap wan niufala suplae sistem long vilej. I gat wan sola paoa sistem blong laet, wan solar deep freezer mo wan praemeru skul mo fam blong buluk. Rod i kasem vilej be ren i spolem mo trak i no save pas.

I gat tufala jif (tufala brata) we tufala i gavanem vilej ia mo tufala i representem tu (2) nakamal, we i gat “Nagha Nakamal” mo “Pineia Nakamal”; “Nagha” hemi Nakamal blong Wiawi vilej we Jif Konel Nihapi i lukaotem mo “Pineia” hemi Nakamal blong Wilak vilej, we Jif Timothy Nihapi i lukaotem. Jif Timothy Nihapi i bin go tru long jifly seremoni blong kilim pig we oli kolek “Namangi” long kastom blong Big Nambas, mekem se emi gat hae rank long vilej bitim brata blong em Konel Nihapi. Tugeta jif i kam bak blong long ples blong ol bubu blong olgeta long 1969 mo sitemap vilej blong Wiawi mo tufala i liv tuketa kasem tede. Be tufala jif i gat smolmol isu blong tufala from nomo wan emi hae bitim narawan. Nomata long emia tufala jif i koperet oltaem mo mekem sua se i gat pis oltaem, olsem wan smol komiuniti, i nogat vilej kaonsel be i gat sam developmen komiti we oli lukaotem olgeta developmen we, olgeta komiti i olsem:

- Wota Komiti
- Tokas (Grup blong olgeta Woman)
- Marin Manejmen Komiti
- Sola Dip Friza Komiti
- Totel Monitaring Komiti.

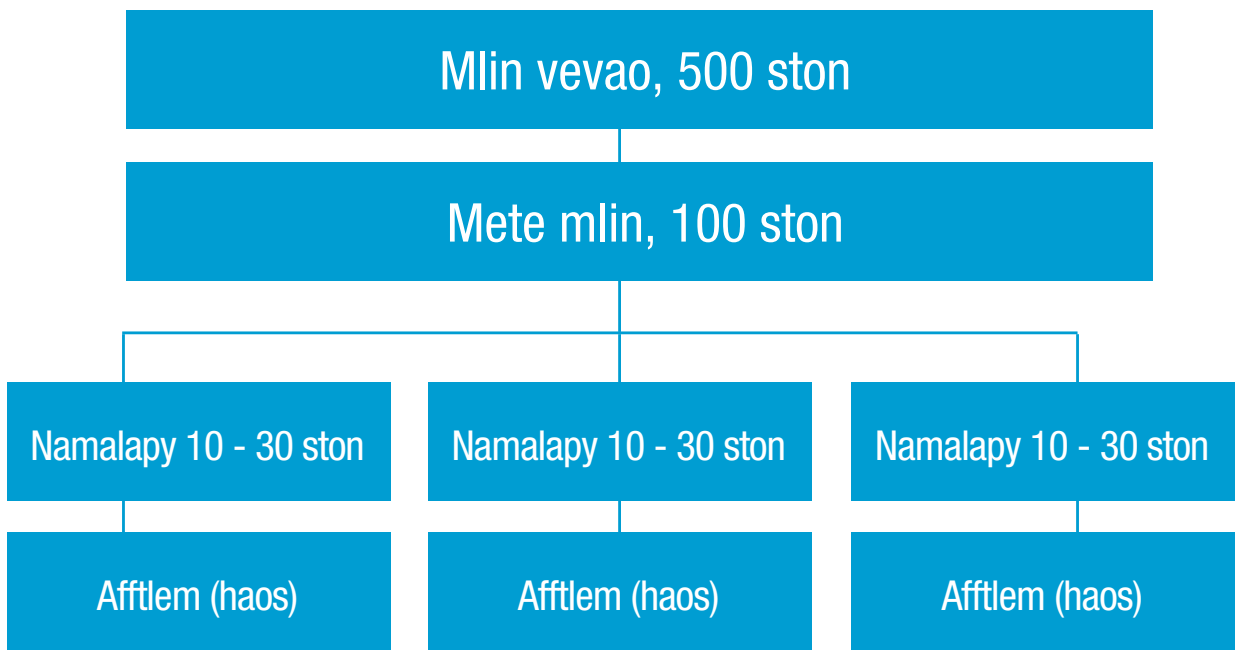
Wok blong ol komiti i no gud tumas from emi wan smol kominiti mo i gat sem pipol oli stap long ol komiti ia. I mekem se i had blong kipap wetem ol wok blong komiti from wanwan famili oli mas lukluk long wanwan rod blong kasem vatu blong helpem famli blong olgeta. Emi mekem se fulap long ol komiti ia i stap long nem nomo be i no mo aktiv olsem Totel Monitaring Komiti we i no mo aktiv nao ia. Jif Konel wetem boe blong hem nomo tufala i komitim tufala long wok blong monitarem totel. Tradisenol kalenda (Tebol 1) emi influensem ol aktiviti blong komiuniti blong Wiawi, mo kalenda ia i folem klaemet mo weta paten we i stap jenis, we i fomem sisen taem ples i hot mo ren, mo sisen blong ples i kolkol mo drae.



Pikja 2. Progres blong wan boe tru long sistem blong jif long Wiawi.

Tebol 1. Ol mein samting we i hapen folem tradisenol kalenda blong Wiawi

Manis	Tradisenol Aktiviti
Januari	Hemia hemi taem we olgeta boe oli kam olgeta bigfala man tru long olgeta seremoni. Taem blong lukaotem kakae blong kitjin, ren, mo i nogat tumas samting i gro.
Februari	Olgeta fis oli putum eg.
Maj	Stat blong kliarem olgeta garen blong mekem niu planting blong kakae.
Eprel	Olgeta dolfin mo wel oli aktiv mo yumi save luk olgeta oltaem nomo.
Mei	Redi blong havestem yam mo plante kasotm festival oli stat.
Jun	Solwota i drae tumas, mo i gat olgeta bigfala wev mo i gat plante pico.
Julae	Taem blong planem olgeta yam bakegen.
Okis	Olgeta longfala yam olsem “Tenaot” mo “Nikal” oli redi.
Septemba	Gudfala taem blong havestem yam.
Oktoba	Olgeta niufala yam we oli jes planem oli stat blong gro.
Novemba	Taem blong sisen blong ren i stat.
Disemba	I gat plante frut, nogat tumas wok long olgeta garen.



Pikja 3. Tradisenol gavanens strakja blong olgeta jif blong Wiawi Komuniti

3.2 Relijen Mo Bilif

Komiuniti blong Wiawi hemi *Seventh Day Adventist* (SDA) we oli wosip long Satete. Olgeta we oli wosip long SDA oli bilif se samfala kakae i no klin olsem mit blong pig, flaengfokis, selfis, shak, lobsta, fish we i no gat skel, mo mit blong selfis mo ol nara animal we i nogat bun, mit mo eg blong totel, mo no tekem drink olsem kava or kofi. Bilif blong olgeta i se evri samting we i laef long wol oli kriesen blong God mo emi duti blong yumi man blong usum mo lukaotem gud olgeta. Strong bilif ia i helpem bigwan komiuniti blong konsevem ol risos blong olgeta inkludum risos we oli ysum mo olgeta we oli no yusum.

3.3 Orijin, Histri Mo Pipol

Histri blong ol ansesta blong Wiawi i talem se i gat wan olfala woman spirit we nem blong hem Ragutlil we hem i stap lukaotem ol pig. Wan dei hemi faenemaot se wan woman pig blong em we i gat bel i lus mo emi save se emi mas go haed blong bonem bebe. Plante dei i pas we emi lukaotem mama pig ia mo singaotem hem, be mama pig ia i no kam kamaot. Hemi go lukaotem hem, i folem olgeta trak blong leg blong pig ia we oli kolem long lanwis se *Ala Prapar* o “trak blong pig”) kasem wan stone long solwota we oli kolem *Ala Prapar*. Hem i luk wan smol ston aelan, nem blong hem Virelaoh, mo i kam long tingting blong hem se woman pig ia i mas swim i go long aelan ia. Hem i gobak long haos mo kambak wetem wan banaro wetem seven spia. Emi sutum fes spia i go long Virelaoh aelan mo i go fas i stap, emi sutum nambatu spia i go mo i fas long tel blong fes spia, ale nambatri spia i go hang long tel blong nambatu spia, mo nambafo spia semak, mo evri spia ia oli joen go go i kam wan brij blong olgeta spia karem mainlan. Woma pig ia i jenis i kam wan laet pidjin, mo i wokbaot long brij ia i go long Virelaoh. Taem emi kasem Virelaoh, hem i harem wan bebe i krae insaed long wan keiv mo hem i kasem se woman pig ia i bonem bebe pig, taem emi luk be emi wan bebe man mo emi wan boe. Emi i karem bebe boe ia mo krosem brij blong spia i gobak long mainlan mo i berem nambiton blong hem long sanbij long solwota. Kasem tedei, pipol blong Wiawi oli no kakae woman pig, from oli bilif se oli kamaot long long em.



Pikja 4. Map blong Malekula Aelan we i soem Wiawi vilej long notwes blong aelan

Olfala woman ia Ragutlil i putum nem blong bebe ia, Mlin *Ahgalow*, mo emi lukaotem em olsem pikinini blong hem. Taem Mlin Ahgalow i kam bigwan, hem i sendem toktok long olgeta narafala vilej se bambae boe ia i kam jif mo oli jusum deit blong Namangi (seremoni blong kilim pig). Ol jif long nara vilej oli kam wetem ol kaen kastom kakae mo oli katem ol spesel tamtam we oli ysum long taem ia. Jif *Mlin Ahgalow* i mared mo gat tu (2) boe: Mlin Arpnata, we emi fes bon, oli givim graon long hem we oli kolem *Nagha*, mo Mlin Aphisari, sekon bon, oli givim graon long hem we oli kolem *Pineia*. Nagha Nakamal emi kam Wiawi Nakamal tede mo jif we i lukaotem emi Jif Konel Nihapi. Peneia Nakamal emi kam Wilak Nakamal tede mo jif we i lukaotem emi Jif Timothy Nihapi.

Ol pipol blong aelan blong Malekula oli kamaot long tufala main traeb ia “*Big nambas*” long eria blong notwes Malekula mo “*Smol Nambas*” long Sentrol kasem South Malekula. Big Nambas traeb oli save olgeta long saed blong tribal faet mo oli ol las traeb we oli kakae man long Malekula. Ol tribal faet ia i bin kosem fulap problem long eria blong Notwes Malekula we i mekem fulap pipol oli bin ronwe. Ol pipol blong Wiawi oli bin ronwe mo setel long Matanvat mo olgeta long Wilak oli ko long Portovro long Not. Ol nara vilej oli ronwe i ko long Espikels Bay mo long Wean, mo sam oli go stap long Saot Santo.

Long taem we ol original pipol i ronwe, olgeta nara pipol antap long hill oli kam daon mo liv long eria blong Wiawi mo setemap ol niu vilej olsem Wiel mo Wilak mo oli kleimem graon mo planem kokonat plantesen. Long 1969, Kondominium Gavman blong New Hebrides i givim kastom raet long ol orijinol traeb blong kambak long Wiawi mo ol pipol blong hill oli ko bak long eri blong olgeta. Kasem tedei, haf blong olgeta pipol blong Wiawi oli no kambak yet. Semak samting i happen long vilej blong Wilak. Tufala brata ia Jif Timothy Nihapi mo Jif Konel Nihapi tufala i lego Portovro mo Matanvat mo kambak long Wiawi, mo tufala i kam liv tugeta long Wiawi from tufala tu nomo.

3.4 Ekonomik Aktiviti

Komiuniti blong Wiawi i rij long olgeta najorol risos antap long graon mo long solwota. Olgeta mein ekonomik aktiviti emi kopra, kokoa, timba, laefstok menli buluk mo faol mo fis. Kakao mo kopra oli draemap mo salem long ol kampani long Lakatoro. Long taem nao ia praes blong kakao i gud tumas afta long drop long prodaksen blong kakao long Africa. Praes blong drae bin nao ia emi VT360,000 long wan tan o VT360 long wan kilo. Kakao prodaksen long Malekula i stap kam antap bakegen afta long gudfala praes ia we i mekem ol fama oli stap impruvum bak ol plantesen blong olgeta. Praes blong kopra i no gud tumas iet mo emi stap araon VT40,000 long wan tan, or VT 40 long wan kilo be ol fama oli prodium nomo tugeta wetem kakao. Ol fama long Wiawi oli prodium tu oel kokonas, kava mo pepa. I gat tu fanis buluk long Wiawia mo i gat ova 50 hed, mo oli salem buluk long ol nara vilej mo samtaem long Lakatoro. Ol woman oli prodium mat, fan mo basket we oli salem long Lakatoro Handicraft Centre. Mein problem blong Wiawi komiuniti hemi rod blong ko long maket. Rod i kasem vilej finis be i klos from ren i spolem mo i no gat bot long vilej mekem i had blong tekem ol prodaks blong olgeta i go long maket. Nao ia ol fama oli wokabaot wetem bag kakao blong olgeta kasem Leviamp vilej blong kasem bot i go long Unmet Bay mo trak i ko long Lakatoro.

3.5 Wok Blong Konsevesen

ACIAR Forestry Project:

Komiuniti blong Wiawi i bin wok wetem ol konsevesen projek stat long 1990s i kam. Fes wan emi wan Forestri projek blong kavman we *Australian Centre for International Agricultural Research* (ACIAR) i fandem. Projek ia i bin mekem asesmen long fores risos long Wiawi mo rikomendem developmen blong timba prodaksen be ol jif oli no agri mekem i no gat eni developmen i tek ples. Ol jif oli wantem mekem fores konsevesen long ples ia mekem se projek i helpem olgeta blong setemap “*Nagha – Pineia Conservation Area*”. Repot blong wok ia nem blong em Tacconi and Benneth 1997 we emi nem blong tufala we i raetem. Repot ia i rekomendem tu blong nasonal kavman i kam insaed blong wok wetem kominiti blong rekuletem konsevesen eria ia be kominiti i no agri long em from oli no save gud arenjmen olsem wetem kavman mekem se konsevesen eria ia i stap wetem kominiti kasem tede.

Environment Network:

Wan nara projek *i kam tru long* wan lokol NGO we nem blong em Environment Network. Projek ia emi givhan long komiuniti wetem wan fes kominiti manejmen plan blong Wiawi Konsevesen eria mo implementem plan ia. Plan ia emi gat tu baondri blong konsevesen eria mo ol wanwan eria we i rich long ol tree mo wael animal mo ol rul blong em, ol rul ia i go olsem:

- Bambae i no mas gat eni jenis long saed blong vejtesen
- Hemi tabu blong karem faeawud mo olgeta narafala wud
- No mas laetem faea
- Bambae i nogat eni bilding i gerap long ples ia
- Hemi tabu blong mekem eni wok wetem graon.

Wan Smolbag Turtle Monitoring programme (WSB):

WSB Total Monitoring Program i stat long 2004 afta long trening blong ol fes total monita Jif Konel Nihapi. Jif Nihapi i kontinu blong karemaot wok ia mo trenem ol boe olsem boe blong hem Charlston we tufala is stap gohed long wok ia kasem tede. Wan ofisa blong WSB Total Monitoring Program Mr Donald James i visitim Wiawi every yia blong helpem olgeta mo karem ol rekod blong last seison i go long Port Vila. Wok ia tu emi kontinu kasem tede.

Marine Spatial Planning Project:

Long manis Maj 2020, wan nara projek we nem blong em *Marine Spatial Planning project* we IUCN mo Ministry blong Foreign Affairs i stap implimentem emi kam sapotem Wiawi kominiti wetem Marine Biological Rapid Assessment asesmen long ol rif risos (MSP 2021). Report blong assessmen ia emi available long Depatmen blong Enviromen long Vila.

Pathways Project (2020 – 2023):

Pathways Projek emi wan nara projek we ACIAR o Australian Center for International Agriculture Research i fandem mo SPC mo VFD i implementem. Wiawi Kominiti emi wan long ol saet blong karem aot projek ia. Pathways Projek emi provaedem sapot long developem Wiawi Kominit Fishery manejen plan blong helpem fiseri manejen. Projek emi fundem wan sola dip friza long Wiawi blong impruvum kominiti blong salem fis blong kasem watu mo impruvum fud sekuriti long kominiti.

By-catch and Integrated Ecosystem Management (BIEM):

Projek blong BIEM emi fanded by European Union mo Kavman blong Sweden mo SPREP emi management mo implementem. Eim blong projek ia emi blong sapotem ol wok blong mekem i kam strong fasin blong lukaotem enviromen mo ol resoses long maunten kasem solwota. Olgeta aktiviti blong BIEM projek i inkludum biolojikol rapid assesmen long bus, marin BIORAP asesmen long solwota, mo developem Kominiti total manejen plan ia.

Ol aktiviti ia oli helpem wok blong komiuniti blong lukaotem gud envaeromen blong olgeta mo manejen gud ol resos we oli stap usum blong laef. Andanit emi olgeta konsevesen wok we i tek ples long Wiawi long year 1990 kasem tede:

- Long 1993, wan kampani we i stap katem daon olgeta tri hemi no moa save katem timba insaed long eria blong Wiawi from ol jif oli no letem.
- Long 2020, gavman i katem rod long Wilak kasem Leviamp mo kasem Wiawi.
- Long 2020, VFD i putum wan sola dip friza long komiuniti mo statem rekodem fis we kominiti i stap kasem.
- Long 2020, Ofis blong Ocean Affairs long Ministry of Foreign Affairs wetem Marine Spatial Planing Project i karemaot wan marin ekolojikol asesmen long Wiawi blong rekodem kondisen blong korel rif wetem ol marin resos mo level blong polusen.
- Long 2021, *Dipatmen blong Water services* i konstraksen fes wota saplae system blong kominiti.

3.6 Klaemet Mo Renfol

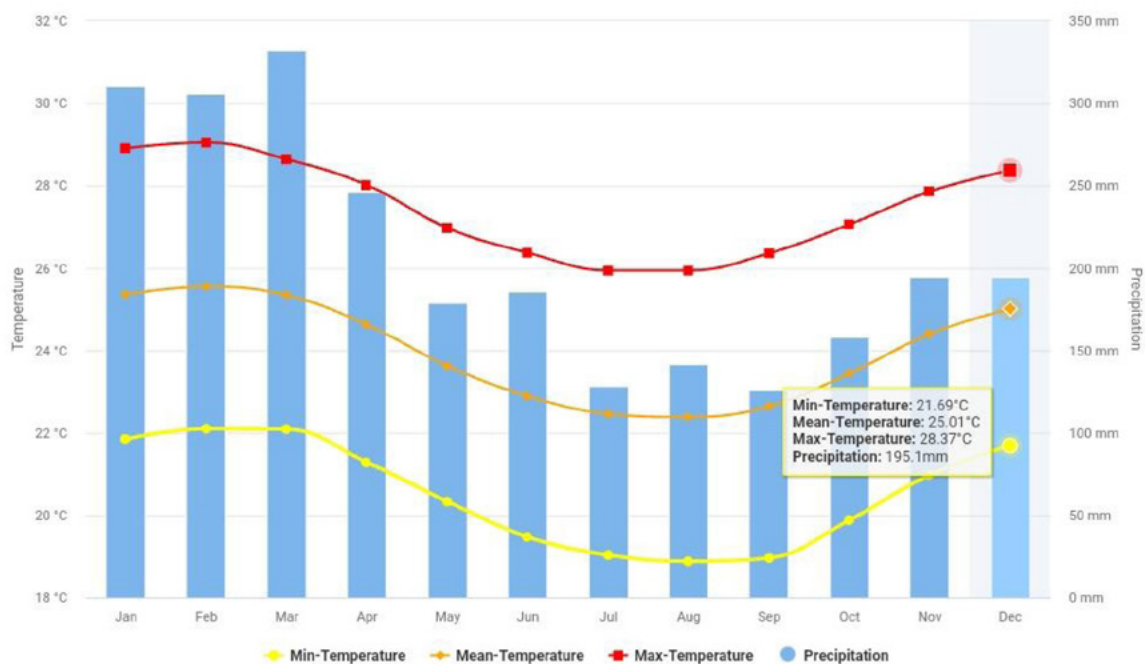
Tempereja, ren mo tropikol saeklon oli kosem ol jenis long sisen olsem ples i hot mo ples i kolkol, ol jenis ia i stap afektem ol ples blong total i leim eg. Folem *World Bank Knowledge Portal*, klaemet blong Vanuatu i jenis folem not mo saot blong kantri. Long not blong kantri, ples i wetwet oltaem from renfol i kasem 4,000 mm long ren kej long wan yia. Long Saot blong kantri, ples i drae wetem wan anuol averej renfol blong 1,500mm. Averej tempereja blong kantri emi stap bitwin 21°C kasem 27°C. I soem se sisenol tempereja long Port Vila i stap jenis plante, maximam tempereja i bitim 30°C mo minimam tempereja i go daon kasem 20°C (*The World Bank 2019*). Ol sisen mo inta-anuol jenis long klaemet i folem ol jenis we i kam wetem El Niño, we i afektem evri saed blong klaemet long Pasifik. Ol tropikol saeklon oli hapen oltaem long Vanuatu long sama taem long manis Novemba kasem Manis Eprel, be i bin gat tu (2) saeklon we i hapen aotsaed long taem ia. Pikja 5 mo Pikja 6 oli presentem historikol rikod blong tempereja mo ren blong Malampa Provins. Ol jat ia i kam long *Climate Change Knowledge Portal* (*The World Bank 2019*¹).

1 The World Bank. 2019. The Climate Change Knowledge Portal. <https://climateknowledgeportal.worldbank.org/country/vanuatu/climate-data-historical>

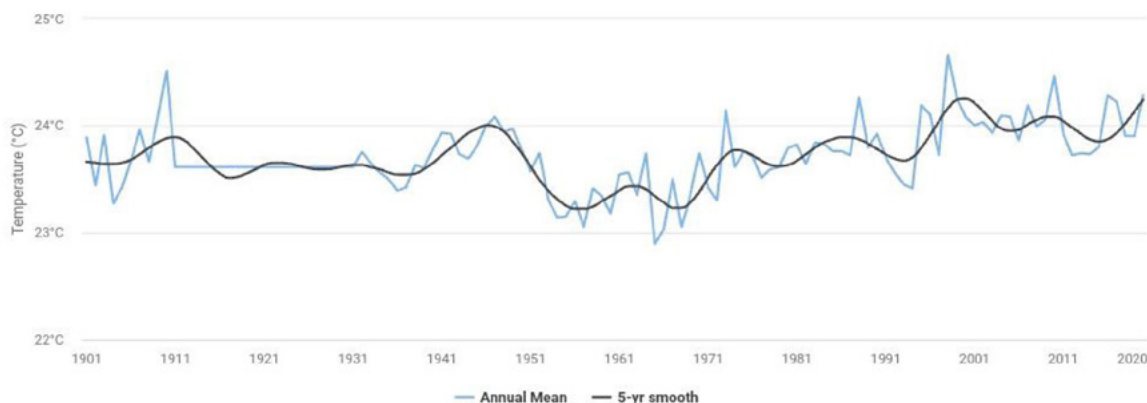
Hemia wan list blong olgeta naturol disasta we i afektem pipol blong Wiawi:

- Long 1995, i bin gat wan longfala drae sisen we i kilim plante kakae mo i bin gat ol bus faea we i bonem ol plantesen blong kokonas.
- Long 2002, saeklon Ola i afektem ol garen, plantesen mo ol fores tri mo sam haos.
- Long 2011, wan smol tsunami i bin hapen long Wiawi we i lukim solwota i go antap bitim nomol level blong hem mo i kam sho bigwan be i no mekem eni damej
- Long 2015, drae sisen blong El Nino i afektem ol karen mekem kominiti i lusum plante kakae o krop.
- Long 2015, saeklon Pam i afektem olgeta fores mo garen mo olgeta haos.
- Long 2019, i bin gat wan longfala drae sisen, mo shotej blong wota mo bus faea i bonem ol bambu resos long tu (2) ples.
- Long 2020, Saeklon Harold i mekem damej long ol garen.
- Long Julae 2021, i bin gat wan strong etkwek be i nogat tumas damej afta i gat wan longfala drae sisen i folem.
- Long 2023, Saeklon Judy mo Saeklon Kevin oli kosem damej long ol garen mo fores risos.

Monthly Climatology of Min-Temperature, Mean-Temperature, Max-Temperature & Precipitation 1991-2020
Malampa, Vanuatu

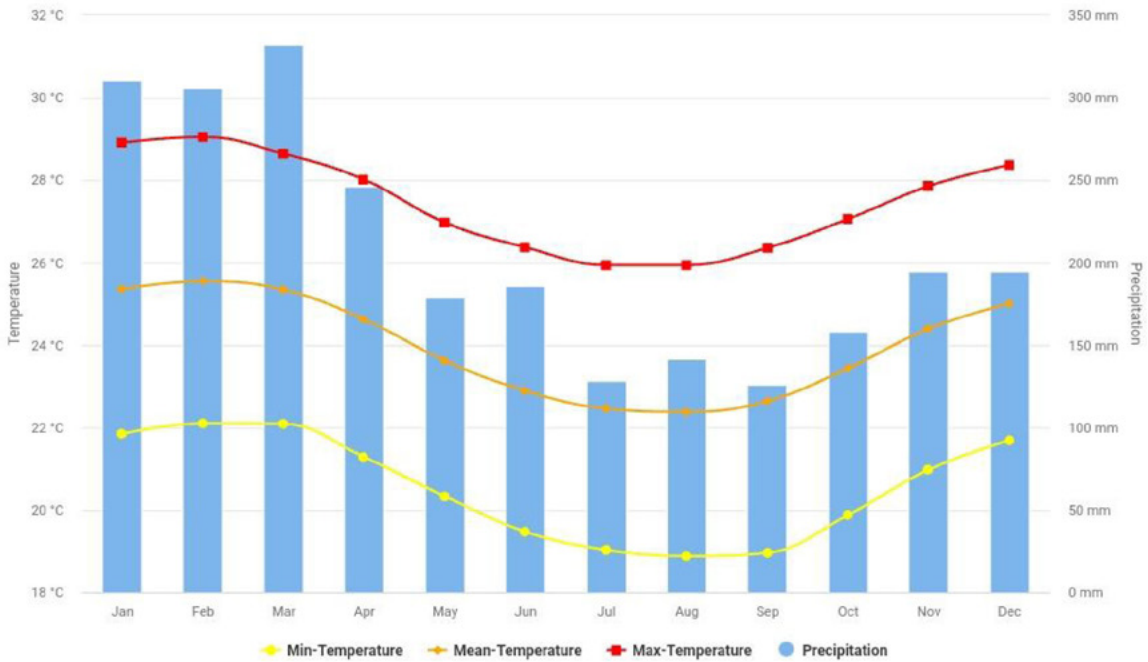


Observed Average Annual Mean-Temperature of Malampa, Vanuatu for 1901-2020

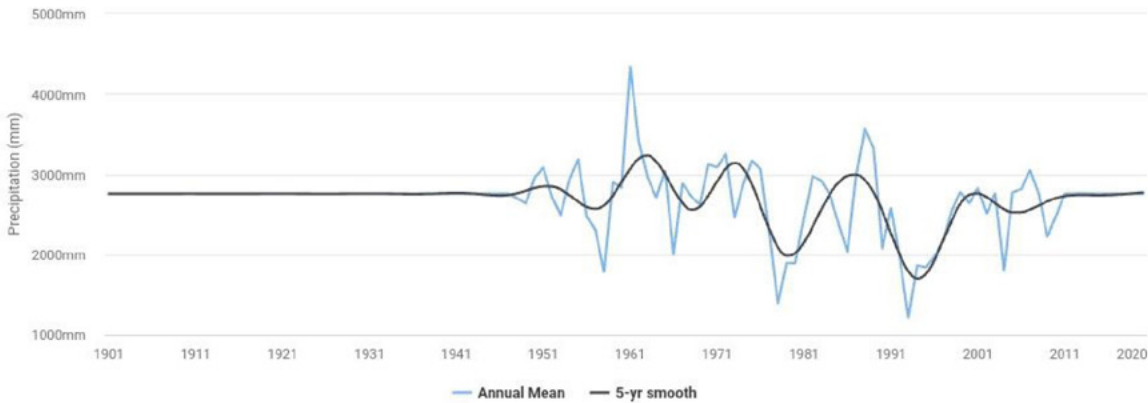


Pikja 5. Historikol rikod blong olgeta tempereja mo ren long Malekula

Monthly Climatology of Min-Temperature, Mean-Temperature, Max-Temperature & Precipitation 1991-2020
 Malampa, Vanuatu



Observed Average Annual Precipitation of Malampa, Vanuatu for 1901-2020



Pikja 6. Averej anuol renfol we oli obsevem blong Malampa Provins long 1901-2020



4. Manejmen Blong Totel Long Wiawi

4.1. Ol Kaen Totel Long Wiawi

Aot long seven spisis blong totel raon long wol, faev long ol totel ia oli rikodem long Vanuatu we i inkludum: *Loggerhead totel (Caretta caretta)*, *Green totel (Chelonia mydas)*, *Hawksbill totel (Eretmochelys imbricata)*, *Olive Ridley (Lepidochelys olivacea)*, mo *Leatherback totel (Dermochelys coriacea)*. Long Wiawi i gat tu (2) kaen totel nomo oli stap kam so long Wiawi emia Hawksbill totel (*Eretmochelys imbricata*) mo Grin totel (*Chelonia mydas*). Raon long wol tufala totel ia i stap long bigfala risk blong oli lus folem ol aktiviti we i stap spolem olgeta. Wiawi eria emi wan impoten ples we tufala totel ia i kam blong kakae mo leim eg. Ol bigfala totel ia Leatherback totel tu i stap kam sho blo nes long Wiawi menly long Beach C we i gat blak sanbis (Pikja 8).

4.2 Laef Blong Totel

Ol totel oli gro slo mo oli save laef longtaem, laef saekol blong olgeta i spesel from i stap bitwin solwota mo long lan. Ol totel i tekem long taem blong oli kam redy blong mekem pikinini. Nomol yia blong wan totel emi stap bitwin 20 kasem 50 yia. Ol woman totel oli putum samples 50 kasem 130 eg long wan nest mo oli save putum plante nest long wan sisen. Ol pikinini totel we oli bon oli kam aot long nes mo wokbaot kasem solwota long festaem long laef blong olgeta. Aot long plante bebe totel we oli go long solwota, wan smol namba nomo oli laef i kam bigwan. Oli spendem bigfala pat blong laef blong olgeta long open solwora mo oli kakae gras blong solwota, jelifis, mo ol nara smosmol animol long solwora. Taem oli kam bigwan enaf blong gat bebe oli kam plante long ol kostol eria blong kakae mo mekem bebe. Wan woman totel bae gobak oltaem long sanbij we emi bon long hem blong putum eg. Moa infomesen long laef blong totel i stap long wan niu repot ia *Hickey et al. 2023*². Ol papa mo mama totel oli stap long hae risk long taem blong mekem bebe mo taem oli go blong putum eg, long taem ia oli fokas long wok blong olgeta mo oli no wari long man o wan animal i distebem em (Pikja 7).

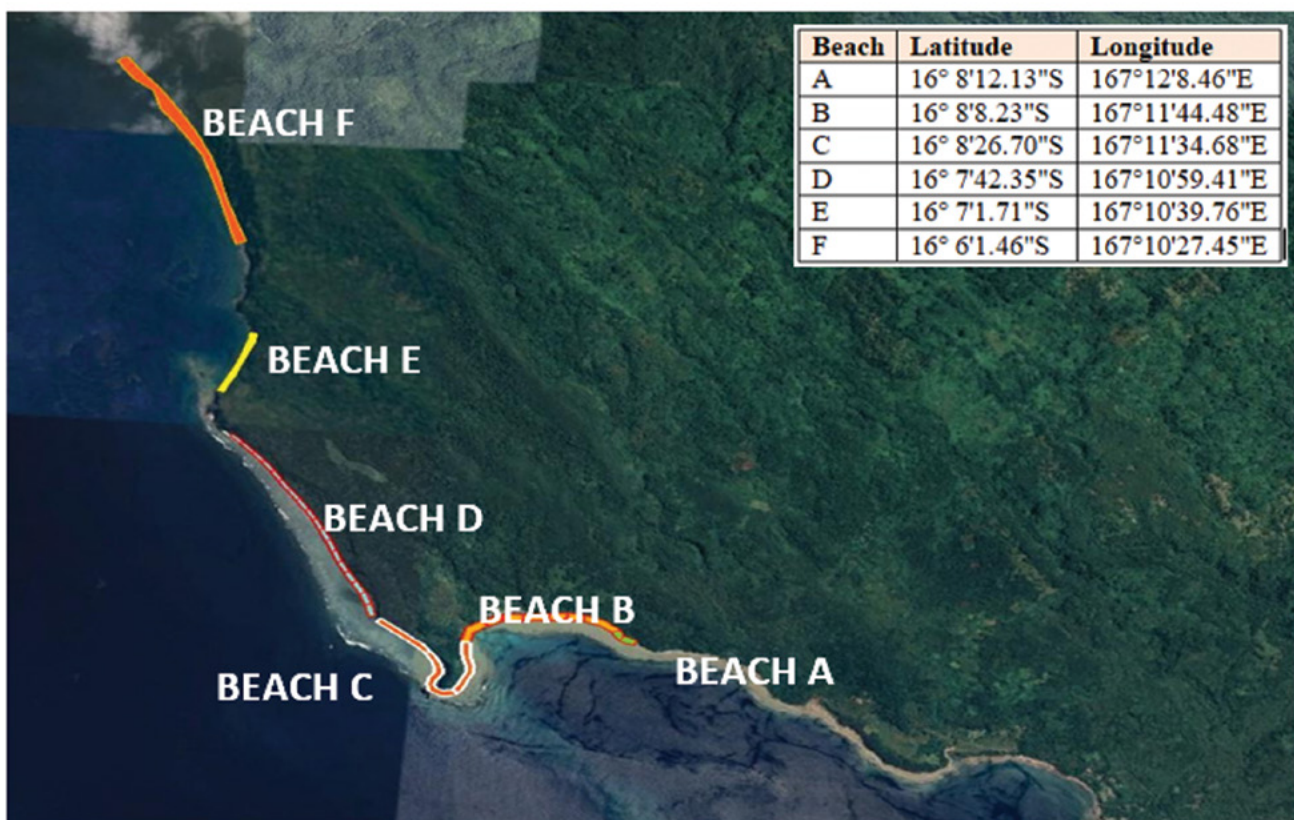


Pikja 7. Mama totel i preperem nes blong hem (a) mo i leim eg (b) long naet.

2 Hickey F., Aromalo D. and Straza T. 2023. A review of the management and conservation of sea turtles in Vanuatu. Apia, Samoa: Secretariat of the Pacific Regional Environment Programme, Apia, Samoa.

4.3 Olgeta Sanbij We Total i Mekem Nes Long Hem

Ol total i mekem nes long sanbij long ol aelan blong Vanuatu, be i gat sam ples we oli mo impoten ples blong nes. Ol ples ia i gat Moso aelan long Efate, Bamboo Bay, mo Wiawi long West Malekula blong *Hawksbill* total mo *Green* total, *Maranata beach* long Ambrym mo Votlo long Epi blong *Leatherback* total (Hickey et al. 2023)³. Long Wiawi i gat siks (6) sanbij we total i yusum blong mekem nes olsem Beach A, B, C, D, E mo F long saot mo west kost long Wiawi eriaj. Beach A, B mo C oli sepseperet by laen we yu no save luk mo Beach C, D, E mo F i sepseperet wetem ol hedlan o land or ston we i ko kasem solwota mo i ko kasem baondri wetem Wilak vilej. Sam long ol hedlan ia i ko kasem solwota mo man i no save krosem mekem ol monita i no save wokabaot i ko mekem wok blong olgeta. Beach A kasem E hemi olgeta waet sanbij, be sanbij F hemi blak/grei sanbij we riva i mekem mo emi ples we *Leatherback* total i stap nes long em (Pikja 8). Pikja 8 i givim GPS posisen blong ol beach ia mo Pikja 9 i soem ol difren beach ia.



Pikja 8. Ol Nesting Beach blong total long Wiawi Eria



Sanbij A mo B – Waet sanbij



Sanbij C – i gat ston long so



Sanbij D – Waet sanbij



Sanbij E mo F – blak/grei sanbij

Pikja 9. Fo (4) difren kaen ples long solwota long Wiawi we i gat olgeta nest blong olgeta totel blong solwota long hem

4.4 Wok Blong Monitarem Totel

Wok blong monitarem totel emi wan voluntri aktiviti we komiuniti totel monita oli stap mekem wetem WSB. Monitaring wok i tekem ples plante long sisen blong totel i mekem eg long manis Julae kasem Eprel. Kominiti totel monitaring long Vanuatu i stat long 1990s folem rijenol kampen we SPREP i karem aot blong sevem populesen blong totel we i stap go daon. Long Wiawi, program blong monitarem totel i stat long 2004. Jif Konel Nihapi emi fes totel jampion blong Wiawi we WSB i trenem (Pikja 10). Totel monitaring komiti i bin setap long Wiawi blong lukaotem wok ia be olsem emi wan voluntri wok nomo, mo komiuniti emi smol, emi had blong oli karem aot wok blong totel mekem se ol memba blong komiti oli lusum intres. Tedei, Jif Konel mo tufala boe blong hem nomo oli continue blong karemaot totel monitaring wok long Wiawi. Boe blong Konel Nihapi nem blong em Charlson Nihapi emi bin atendem trening wetem WSB mo i stap karemaot wok ia olsem wan totel monita.

Totel monitaring wok emi hapen evri yia long taem we totel oli stat kam blong mekem bebe long manis Okis mo Septemba. Oli totel Monita oli visitim evri ples nesting beach long dei taem mo long naet taem. Long day taem oli jekem ol nes we mak i stap long em from damej mo lukaotem ol niu nes mo woman totel we oli stap kam sho blong mekem nes. Afta we monita i faenem wan new nes mo makem emi wapemaot trak long sanbij blong mekem se i isi blong folem niu nes. Oli putum tag long ol totel oli faenem mo rikodem data, nem blo totel, numba blong nes mo estimet deit blong eg i brok mo bebe totel i ko bak long solwota. Oli makem nest wetem wan pis wud or han blong kokonas. Oli monita oli wokbaot nomo blong visitim evri beach tu (2) taem long wan dei. Emi wan bigfala jalens taem i gat wan o fu monita nomo olsem. Beach E mo F long not emi long wei tumas mo oli visitim wan taem nomo. Tebol 2.9 mo Annex i blong ol gaedlaen) i soem olgeta mein aktiviti blong totel monitaring wok.



Pikja 10. Jif Konel Nihapi, fes total monita long Wiawi

Tebol 2. Ol monitoring aktiviti we total monita oli stap mekem

	Aktiviti	Deskripsen blong olgeta wok
1	Faenemaot ples long sanbij we total i stap nes long hem	Faenemaot olgeta ples long solwota we nes i stap long hem mo rekodem.
2	Makem ol nest wetem deit we total i layem eg mo deit we ol eg i hatj mo pikinini total i ko bak long solwota (Pikja 11c)	Wanwan nes oli makem afta we mama i kaveremap. Oli raetem deit we hem i berem eg mo deit we bae ol eg i hatj mo bebe total i kamaot. Pis wud ia oli putum long wan stik mo stanemap long sanbij klosap long nest.
3	Tagem mama total mo rikodem tag namba	Monita i jekem sipos total i gat tag log em. Sipos i nogat, bae oli priperem wan niu wan mo putum long hem taem hemi finis berem nes blong hem befo emi go back long solwota. Spos i gat tag, jekem tag sapos i orate nomo, rekodem numba nomo mo lego.
4	Jekem nes evri dei kasem taem ol bebe oli kamaot long eg	Oli monita oli karemaot wok long dei mo long naet (oli yusum toj) blong lukaot ol dog we oli stap damejem ol nest. Hemi no isi blong watjem ova ful eria long evri dei.
5	Inspektem o bebe total we oli kamaot long nes long naet taem	Jekem ol bebe total we oli kamaot long nes long naet blong mekem sua se oli gobak evriwan long solwota mo i no gat distebens long rod blong olgeta.
6	Reloketem nest we i stap long denger o i damej (Pikja 11a & 11b)	Oli nes we i stap kolosap long hae wota mak, risk blong wota i wasem emi bigwan long taem blong saeklon. Olgeta monita oli watchen gud olnes ia, sipos oli stap long denja, bae oli digimaot eg mo tekem i go long wan nara ples we i sef or insaed long wan fanis. mo berem bageken. Fasen blong stap muvum nes olbaot i no sef tumas, oli save mekem nomo sapos we ne semi stap long hae risk blong damej mo ol monita nomo oli save mekem wok ia.
7	Kaontem ol ded sel blong save everi eg i hatj or no (Pikja 11d)	Digimaot ol sel blong eg lo ol nest we i hatcj finis mo kaontem blong jekem pefomens be hemia oli no mekem blong evri nest.
8	Rikodem olgeta tag namba mo olgeta nest blong total long TREDS logshit mo sendem i go long WSB	Oli rikodem data long olgeta pepa logshit mo sendem i go long WSB afta long nesting sisen o WSB Ofisa i kolektem long taem blong visit blong hem.
9	Ekwipmen we olgeta monita oli yusum	Olgeta ekwipmen we olgeta monita oli yusum i gat tojlaet, baket, rekot book or logshi mo shavel

4.5 Reloketem Nes We i Stap Long Risk Blo Damage

Long Wiawi taem wan nes i stap long risk blong damej, oli muvum ol egg i ko long wan fanis mo digim wan nufala nes. Fanis ia oli mekem redy befo nesting sisen i stat mo oli mekem long lokol material nomo olsem wood mo bamboo. Oli usum fanis olsem from oli faenem se ol niufala eg blong totel i gat wan smel we i atraktem dog. Nes we i stap long denja blong flad mo damej, bae oli muvum aot eg mo berem long wan niu nes long fanis ia. Oli digim aot eg mo putum insaed long busket long semak posisen olsem we i stap long nes mo kaveremap wetem smol sanbis blong holem. Tekem baket i go long fanis mo putum gud ol eg insaed long niufala nest. Oli plesem ol eg ia long semak posisen long baket. Sipos oli no folem stret handling, bambae ol eg i nogud (Pikja 11). Anex nambatu (II) blong gaedlaen i kivim ful infomesen long proses blong reloketem nes blong totel.



A Putum gud ol eg long baket taem yu m uvum long nara ples



B Dikim niufala nes insaed long wan bambu fanis



C Makem nes



D Kaontem ol sel blong eg blong save namba blong bebe totel

Pikja 11. Ol kaen wok we ol monita i stap mekem long bridging sisen.

4.6 Data Manejmen Mo Ripot

Data we oli kolektem olsem saes (longfala), seks, deit blong nesting, mo ples oli rekodem long book or fom blong TREDs mo pasem long WSB blong putum long Databases. Ol monita oli tekem ol data i ko lone Vila o Santo long taem blong anual Jenerol Miting blong ol totel monita o pasem long WSB ofisa responsibol (Donald) taem emi mekem anual visit blong em long Wiawi. Ol infomesen ia tim blong WSB long Vila i entarem long TREDs databases we SPREP tu i gat akses long em. Sins program blong totel monitoring i stat i no gat eni repot long wok ia mo analisis long ol data blong totel kasem tede.

Long ol data blong Wiawi we WSB i karemaot long TREDs databases long Vila long rekwes blong konsalten mo ol data ia i stap long Tebol 3 mo Tebol 4. Long tebol 3 i nogat eni Green totel nesting long Wiawi long 2008 kasem 2012. Mo long Tebol 4 i no gat Hawksbill totel nesting long Wiawi long 2015 mo 2016. Ol totel Monita long Wiawi mo kominiti oli no agri mo oli talem se infomesen ia i rong, ol Green mo Hawksbill totel oil putum egg evri yia nomo long Wiawi mo olgeta i stap rekodem be oli no save hao nao i no stap long record ia long database. Ol monita tu i bin rekodem tu (2) Loggerhead totel long Wiawi we oli bin tagem, be infomesen ia i nogat long rikod blong TREDs databases. Emia i pruvum se yumi gat problem long saed blong ol data we ol monita i stap kolektem mo i nid blong stretem.

Long saed blong data blong wanwan total spisis ol data blong 2008 kasem 2019 i soem se i gat more Hawksbill total (488) bitim Green total we i gat (214 nomo) mo i soem se fulap Hawksbill total oli kam blong putum eg long Wiawi. Be from i no gat wan system blong yumi jekem gud ol data we ol monita i kolektem, bae yumi no save talem stret se namba ia emi stret number blong nes long ol yia ia o no. Taem yumi brekem daon namba ia long ol Beach, i soem se Beach D mo E nao emi mos impoten from i gat hae number blong nes (85%) aot long everi Beach mo Beach D nomo emwan i sapotem kolosap haf (41%) blong ol nes long Wiawi. Emi talem long yumi se tufala beach ia i impoten tumas long total long Wiawi mo sapos ol monita oli stap fesem ol jalens long monitarem evri beach, oli save putum mo fokas long tufala beach ia wetem ol nara beach kolosap long vilej.

Kominiti tu i talem aot se oli kolektem tumas infomesen be i no gat ripot i ko bak long olgeta. Ol kavman dipatmen responsibol tu oli no gat eni repot long wok blong total monita. National Kavman tru long VFD mo DEPC oli nogat akses long TREDs databases mo oli no mekem eni samting long ol data ia olsem mekem sua se data emi korekt. So i gat problem long kwaliti blong infomesen ia mo i gat kuwesten long ol infomesen blong total we i stap long TREDs database. Wan impoten solution long ples ia emi blong ol kavman dipatmen responsibol i wok wetem WSB blong stretem ol problem we i stap.

Tebol 3. Rikod blong Green total nesting long Wiawi (Sos TREDs)

Yia	Beach A	Beach B	Beach C	Beach D	Beach E	Beach F	Total
	GT	GT	GT	GT	GT	GT	GT
2008							0
2009							0
2010							0
2011							0
2012							0
2013			2	1	6		9
2014	13	11	41	64	49	2	180
2015				2			2
2016				7	3		10
2017							0
2018			2	7	4		13
2019							0
Total	13	11	45	81	62	2	214

Tebol 4. Rikod blong Hawksbill total nesting long Wiawi (Sos TREDs)

Yia	Beach A	Beach B	Beach C	Beach D	Beach E	Beach F	TOTAL
	HBT	HBT	HBT	HBT	HBT	HBT	HBT
2008				6	1		7
2009	4	2	3	9	13	1	32
2010	2	2	1	4	19	6	34
2011				2	1		3
2012					6		6
2013	1				5		6
2014	6	2	10	36	13		67
2015							0
2016							0
2017	4	2	7	43	13		69
2018	1		4	10	5		20
2019	36	9	42	118	76	7	244
Total	54	17	67	228	152	14	488

4.7 Fasin Blong Tagem Olgeta Ol Bigfala Totel

Evri mama totel we oli kam so blong nes long Wiawi, ol monita oli putum wan tag long em. Tag o mak ia emi wan pis metal we i kat namba long em we oli pinim long wan han blong totel blong makem se totel ia i kam sho long Wiawi. Wok blong makem totel i tekem ples afta we mama totel i perem nes blong em mo bifo emi gobak long solwota. Ol Monita oli tagem evri mama totel long Wiawi stat long 2008 kasem 2019, be data ia i nogat long Tebol 3 mo 4 we i soem se sam data emi lus so yumi no save stret hamas totel oli tagem long Wiawi.

Total numba blong totel we oli tagem long Vanuatu stat long 1991 kasem 2019 we i stap long TREDs databases emi kasem 3,004 everywan (Hickey et al. 2023). Be rikavari blong ol tag ia i lo tumas. Long ol totel we oli tagem long Wiawi, i gat tri (3) nomo we oli repotem long nara ples, wan long Australia long 2008 mo tu (2) we oli bin tagem long 2008, oli bin kambak long nes long Wiawi long 2009 (wan *Green* totel mo wan *olive ridley*). I gat bigfala nid blong jekem infomesen (Tebol 5). I gat wan narafala set blong data tu we i stap long TREDs database we i soem totol rikod blong 37 totel long Wiawi stat long 1973 kasem 2015. Emia i no semak wetem rikod long Tebol 6, emi i soem problem we i stap long kwaliti blong ol data we ol monita i stap kolektem. Mo putum i go insaed long TREDs databases sistem.

Tebol 5. Totel taging data blong Wiawi (Sos TREDs)

Tag Namba	Spisis	Seks	Deit blong Tag	Deit we oli faenem bak	Ples blong Tag	Ples we oli faenem bak	Aktiviti taem we oli faenem bak
K34661	Green	Woman	1992	17/12/2008	Australia	Wiawi	Nesting
R43154/ R43153	Green	Woman	16/12/2008	05/02/2009	Wiawi	Wiawi	Nesting
R43164/ R43163	Olive Ridley	Woman	08/12/2008	05/02/2009	Wiawi	Wiawi	Nesting

Tebol 6. Totel rikod long Wiawi long yia 1973 kasem 2015 (Sos TREDs)

Ples	Aelan	Green	Hawksbill	Olive ridley	Loggerhead
Wiawi	Malekula	23	10	2	2

4.8 Elektronik Rikoding

Elektronik rekod system emi niu technology tu we i stap kam popular tede mo i replesem rekod long paper. SPREP emi upgredem databases blong em - Turtle Research and Monitoring Database System (TREDs) <https://treds.sprep.org/help/about> blong i kam wan online system we ol kantri i save entarem data long em. Long taem blong konsaltan long pan ia, konsaltan i bin ranem wan trial wetem ol monitas long Wiawia mo oli liken tumas niufala system ia from i easy blong usum mo emi ol data ino save lus. Elektronik rekoding system emi wan tool we i plan ia i stap recommendem blong usum blong impruvum infomesen koleksen. Yu save faenem wan manual onlaen we i givim olgeta step blong folem long databases ia, mo yu save sendem rikwes i go long SPREP blong oli givim trening mo wan akses blong login (Pikja 12). I nid blong sitemap olgeta niu yusa wetem akses mo login. SPREP i stap sitemap tu olgeta *National Marine Turtle Monitoring Coordinators* (NMTMC) long wanwan Pasifika aelan kaontri, we bambae i givhan wetem supavisen blong monitaring mo data koleksen. Trening bae tekem ples long 2024/25 blong olgeta NMTMC ia mo blong olgeta komiuniti monita olsem olgeta monita blong Wiawi komiuniti mo WSB totel monita.

Long konsaltesen wetem Fiseri Depatmen, Daerekta emi ting se emi wan gud idea be i nid blong toktok wetem SPREP long em mo sapos emi orate bae emi jusum wan Ofisa blong em we i wok wetem data blong karem trening long SPREP wetem WSB mo wan kominiti monita.

#	Beach	Date of Birth	Date of Hatch	Date of Banding	Sex	Tag #	No. of Eggs	Survival	Total Eggs
1	D	26/4/21	26/11/21	6/12/21	H	79	72		145
2	D	3/10/21	3/12/21	13/12/21	H	*	*		181 every good
3	D	10/10/21	10/12/21	10/12/21	H	112	*		
4	D	13/10/21	13/12/21	23/12/21	H	101		112	101 every 1 good.
5	D	18/10/21	13/12/21	23/12/21	H	101		170	170 every good
6	D	13/10/21	13/12/21	23/12/21	H	4		170	170
7	D	15/10/21	15/12/21	05/01/22	G	*	*	98	98
8	D	15/10/21	15/12/21	05/01/22	H	56	*	106	162
9	D	15/10/21	15/12/21	05/01/22	G	*	*	108	108
10	D	30/10/21	30/12/21	09/01/22	H	*	*	175	175
11	D	30/10/21	30/12/21	09/01/22	H	20		170	190
12	D	12/11/21	12/01/22	22/01/22	H				No Good every day
13	D	12/11/21	12/01/22	22/01/22	H				No Good every day



Pikja 12. Impruvum data koleksen iko long elektronik data rikoding sistem

4.9 Enfosmen blong loa blong total

Loa blong fisheri (Fisheries Regulation Order Number 28 of 2009) i protektem total, olsem putum ban long kilim bigfla total blong kakae, digim aot eg blong kakae mo emia i inkludum evri kaen total (Green total, Hawksbill total mo Leatherback total):

Fisheries Regulation Order Number 28 of 2009 (Cap 59) Olgeta Total

(1) Wan man i no mas:

(a) karem, kilim, gat wetem hem, ekspotem, salem o pem eni o evri total blong olgeta spisis ia:

(i) *Dermochelys coriacea*, oli save long hem olsem Leatherback total, mo yu save luk long Skejuol 26;

(ii) *Eretmochelys imbricata*, oli save long hem olsem Hawksbill total, mo yu save luk long Skejuol 26;

(iii) *Chelonia mydas*, oli save long hem olsem Green total, mo yu save luk long Skejuol 26; o

(b) karem, gat wetem hem, salem, pem o ekspotem eni sel blong olgeta spisis blong total we oli tokbaot long paragraf (a); o

(c) kam insaed o distebem long eni wei wan nest blong total o eni total we i stap priperem nest o redi blong putum olgeta eg; o

(f) karem, gat wetem hem, kakae, ekpotem, salem o pem eni eg blong total; o

(g) mekem nogud, holem taet, kilim, kakae, salem, pem, ekspotem o destroem eni spisis blong total (bebe total, yang total o adult total) tru long yus blong eni stik o samting blong spolem olgeta total wetem; o

(h) gat wetem hem eni total blong solwota we oli kasem hem long eni we imo holem taet hem.

(2) Nomata long olgeta provisen we oli putum antap ia long sabklos (1), wan man bae save raet i go long Daarekta blong aplae from eksepsen long evri o eni long olgeta provisen anta pia anda long sabklos (1) long pepos blong karemaot olgeta kastom praktis, edukesen mo/o risej.

Loa ia i mekem emi agensem loa blong kilim ol total ia *Green Total*, *Hawksbill total* mo *Leatherback total*. Be i gat wan eksempten long tradisenol havest, us blong total blong edukesen mo risej pepos, mo man we gat wan valid permit. Sapos wan man i karem wan permit blong karem sam total, be emi tabu blong yusum masket blong daeva or wan wire blo kasem total. Wiawi komiuniti emi wan SDA kominiti mo oli no kakae total so olgeta i oraet, be ol nara kominiti nao oli stap kilim. Enfosmen blong loa blong fisheri emi wan jalens long ol remot eria olsem long notwet Malekula from i no gat ol enforcement officers.

Gudfala samting se VFD i stap adresem ples ia finis blong putum ol Komiuniti Fiseri Otoraes Ofisa blong helpem enfosmen blong loa blong fisheri long kommuniti. Wiawi kominiti i rekuestem wan officer ia mo i stap long plan ia blong VFD i apoentem wan youngfala blong Wiawi mo trenem em long wok ia. Anda long Envaeromentol Proteksen mo Konsevesen Akt (CAP 283), Seksen 45 (1)(f) i alaowem minister responsibol blong mekem regulesen blong kontrolem ol spisis we oli tokbaot long seksen 2(b) blong i gat ol ol rul inples long hoo pipol oli usum o havestem ol najorol risos ia.

5.Ol Problem Blong Manejem Totel Long Wiawi

Raon long wol, ol nesting eria blong totel oli fesem plante risk inkludum ol jenis long envaeromen we klaemet jenis i stap kosem. Be bigfala risk nao hemi ol nogud fasin we man i mekem long totel long kostol eria mo fasin blong man i kilim totel tru long fishing long solwora mo karem eg blong em blong kakae mo damej we ol animol oli stap mekem long nes. Wan report we i kamaot las yia *National Sea Turtle Management Review Report (Hickey et al. 2023)* i givim moa infomesen long ol problem we totel populesen i stap fesem. Tebol 7 daon ia i soem ol mein risk blong totel nes long Wiawi we i kamaot long storian wetem komiuniti.

Tebol 7. Ol problem blong lukaotem totel long Wiawi

	Problem, risk mo jalens	Deteil infomesen long ol problem
1	Area blong nes long Wiawi emi bigwan blong kavarem	Ol monita oli fenem i had blo stap wokbaot blong visitim evri Beach mo jekem everi nes wan wan taem o tu taem long wan dei, long de taem imo long naet taem. Emi bigfala wok tumas.
2	I nogat intres mo motivesen	Nao ia, i gat tu (2) aktiv monita nomo long Wiawi. Monitaring komiti we oli bin setemap bifo hemi no aktiv from emi tumas wok mo i nogat motivesen blong helpem olketa blong mekem. From se emi wan volentia aktiviti we oli no karem eni vatu long em. I nogat fulap man blong mekem wok ia, wok olsem i ol man i fokus long wok blong faenem laef blong ol family long saed blong food security mo inkam blong family.
3	I nogat naf aweanes mo edukesen long ol narafala komiuniti	Ol komiuniti, olsem Wilak mo Leviam, oli no kasem enaf toksave long manejmen mo konsevesen blong totel. Mekem oli stap stilim eg blong totel. Ol beach long not long Wilak oli stap longwe tumas mo hemi had blong monita oli visitim. I mas gat mo toksave blong mekem ol nara komiuniti oli kam joenem totel monitoring netwok wetem Wiawi.
4	Kominity nogat godfala rod blong kasem maket blong salem ol produce blong olgeta blong kasem vatu	Vatu emi impoten laef blong pipol long komiuniti blong mitim ol besik nid. Bae yumi no save mekem konsevesen spos i no gat vatu blong famili. Wiawi i gat olgeta gudgudfala prodius olsem kakao, kopra, mit blong buluk, kava, timba, fish mo olgeta mat be rod blong ko long maket i nogat, rod blong trak i nogud mo i no gat bot transpot long Wiawi, wanwan taem nomo oli usum boat aotsaed be i sas tumas.
5	I nogat gudfala helt mo sanitesen	Akses long klin wota hemi mein samting blong impruvum helt mo gudfala laef blong olgeta memba blong komiuniti blong stap helti mo karemaot wok blong monitaring. Oli bildim wan niu wota sistem be olgeta toilet fasiliti oli stil stap long bus toelet.
6	Ol domestik animol olsem dog oli kakae olgeta eg blo totel	Ol dog blong haos long Wiawi oli stao damejem ol nes mo eg blong totel long, ol dog ia oli folem smel blong blad we i kam long ol niufala eg long niu nes mo smel blong ol sting eg long taem ol eg i brokrok. Long wan taem taem oli stap reloketem wan nes, ol dog oli folem smel blong blad i go back kasem nes ia mo oli ko damejem ol narafala nes.
7	Ol animol blong solwota oli kakae bebe totel long sanbij long sho	Olgeta pijin blong solwota, shak, krab mo ol nara animol long solwota oli stap kakae bebe totel taem oli stap wokbaot ko long solwota.
8	Ol man oli stilim eg blong kakae	Fasin blong stilim eg blong totel menly pipol long ol vilej long not, i stap gohed yet kasem tede mo emi wan wari from i nogat aweanes, mo enfosmen blong loa blong totel.

9	Ol man oli kilim mama totel blong kakae	Fasin blong kilim ol bigfala totel espeseli mama totel, long taem we oli stap putum eg i no mo happen tumas long Wiawi tede, be i nogat enfosmen mo toksave long ol loa. Pipol long ol nara komitini oli save kilim totel sapos i no kat enfosmen long loa.
10	Solwota i kam antap mo i kosem flading mo loss blong ol nes	Olgeta nest oli lus from level blong solwota i kam antap mo erosen we i tekem ples (i hapen taem wev i go anap bitim top blong sanbij long so), i save mekem se wota i wasemaot nes mo ol eg or olikam strong mo oli nogud.
11	Animol especially bukul oli wokbaot long mo bisbis lo nest mo damegem nes mo eg	Nesting beaches long wiawi emi stap long fanis buluk mo ol buluk ol wokabaot long evri ples. Ol buluk oli wokbaot long olsem long beach C mo D mo hemi spolem nes mo olidistebem mama totel taem oli kam mekem nest stap putum eg.
12	Klaemet jenis i kosem jenis long tempereja blong sandbis long ol ples we i gat olgeta nest long hem	Klaemet jenis i mekem jenis long envaeromen blong sanbij olsem tempereja olsem hot mo kolkol long nes, o, wota i fladem ples folem hevi ren i kosem jenis long temperatja blong sanbij we i afektem quality blong eg olsem, taem nes i hot bae ol eg i kivim mo boe totel, mo taem sanbij i kolkol bae i kivim ol kel totel.
13	Man i katem daon ol tri long kostol eria mo tekem aot ol shade long sanbij	Ol tri long solwota oli provaedem shed long sanbij mo i mekem stret ples blong nes blong totel from i mekem ples i no hot tumas long deitaem. Be taem oli kliarem mo katem daon ol tri long saed blong solwota hemi i mekem i no gat shed blong nes mekem hot blong ansan long dei i save kilim ol eg.
14	Ol samting we i distebem muvmen o wokabaot blong mama totel solwota	Ol ston mo tri we oli foldaon i blokem rod blong mama totel i kam mo ko bak long solwota mo i save blokem ol bebe totel taem oli stap ko long solwota. Wan mama totel i bin trap insaed long ol bigfala ston long 2022 mo emi lusum laeftaem i stap ko bak afta emi putum eg.
15	Laet i i save distebem totel long naet	Laet i mekem mama totel oli lusum rod taem i kam blong putum eg long nest mo laet i mekem olgeta bebe totel oli lusum rod taem oli kamaot mo oli stap ko bak long solwota, bae oli muv from laet insted blong go long solwota.
16	Ol toti long solwoat olsem plastik	Toti plastik emi kam wan pigfala problem long solwota tede, mo wetem ol narafala marin polusen we oli save holem taet ol youngfa totel we oli hatj mo stap mekem wei i go long open solwota, mo bae save mekem oli fasfas mo solemdaon ol toti tu.
17	Nogat enfosmen long ol loa blong totel long komiuniti	I nogat toksave mo enfosmen long loa insaed long komiuniti we i stap finis mo hemi wan jalens blong komiuniti. Kominiti i nogat paoa blong mekem wok ia. I gat nid blong Fisher i pium wan Komiuniti Fiseri Ofisa blong Wiawi.
18	Jif otoriti dispiut bitwin tufala jif blong Wiawi i afektem wok blong monitarem totel	Tufala jif (Timothy mo Konel) tufala i gat ol smolsmol issue blong tufala we i afektem monitoring komiti i nomoa aktiv. I gud blong tufala jif is stretem tufala blong ol development wok i save wok gud.
19	Totel monitaring komiti i no mo aktiv	Jif Konel mo boe blong hem nomo i stap mekem wok blong monitoring naoia. Monitaring komiti i stap fesem jalens oltaem long wok blong em from i nogat motivesen blong pulum interes blong ol yang pipol mo woman long Wiawi.



Pikja 13. Ol kaen damej we dog, buluk mo krab oli mekem long nest mo bebe totel long Wiawi

6.Wok Blong Inkludum Evriwan Blong Lukaot Total

Wok blong monitarem totel long Wiawi emi wan aktiviti we ol man nomo oli involv long hem plante mo i nogat ol woman mo ol gel we oli tekpat long em. Ol woman mo ol gel tu oli intres blong tekpat long ol aktiviti blong monitarem totel. Totel Manejmen Plan ia i luksave se ol woman tu oli gat role blong plaim blong mekem se plan ia i representem gud interest blong olgeta mo everiwan long kominiti. Ol save we i ko long disaen blong manejmen plan ia hemi bes plante long ol wok we komiuniti i stap mekem blong monitarem mo protektem ol totel mo nest blong olketa. Plan ia emi adrese ol kaen aktiviti we i nidim patisipesen blong evriwan blong mekem sua se ol benefit we i kamaot long em i kasem evriwan long komiuniti, inkludum ol woman mo ol gel mo olgeta we oli gat spesel nid. Ol woman mo ol gel bae oli wok tugeta mo tekpat blong ajivim wan fea distribusen blong ol benefit blong manejmen plan ia. Komiuniti blong Wiawi mo ol Jif oli agri blong wok tugeta blong tekembak Totel Monitaring Komiti mo gat ol woman representatif insaed long komiti blong evri memba blong komiuniti i gat wan joen efot blong protektem totel long solwota blong Wiawi.

7. Implementesen Aksen Blong Wiawi Kominiti Total Manejmen Plan

Seksen ia i provaedem ol mein manejmen aksen mo implementesen responsibiliti blong mitim objektif blong Wiawi CTMP. I gat seven (7) aksen aktiviti everiwan we plan ia i lutum aot blong adresem ol 19 problems, jalens mo risk we kominity i idendifaem. Ol aksen aktiviti emi stap insaed ol tebol Tebol 8 kasem Tebol 14. Ol wan wan aktiviti implementesen i no gat taemfrem long em from emia komiuniti plan we i nogat badjet blong hem so taem blong delivery blong wanwan aktiviti i no klia. Implementesen blong plan i dipen long ol projek sapot tru long Gavman wetem ol donor parna. Bae kominiti i save fulumap ol date we deliveri blong ol aktiviti. Hemia olgeta seven aksen tebol ia:

- Tebol 8 – Implementesen aksen blong Total nes monitoring long Wiawi
- Tebol 9 – Implementesen aksen blong Total nes Relokesen long Wiawi
- Tebol 10 – Implementesen aksen blong Kontrolem damej long nes mo bebe total
- Tebol 11 – Implementesen aksen blong management gud data mo reportem total long Wiawi
- Tebol 12 – Implementesen aksen blong kominiti patsipesen mo netwok long Wiawi mo ol eria kolosap
- Tebol 13 – Sastenebol faenansing
- Tebol 14 – Program gavanens

Tebol 8. Implementesen aksen blong total nes monitoring

	Problem we oli fesem	Oi aksen blong adrese	Oi samting we oli nidim long mekem wok ia	Oi responsibol pipol or atoroti	Deit we oli ajivim wok ia
1	Wanwan sekta blong Beach we kominiti i divaedem i no klia	Tekem GPS posisen blong every beach wetem sekta mo putum long map i ko long ol smol saenbod mo putumap long stat blong wanwan Beach sector, olsem eksampol "B3" blong mekem i klia long ol monita oli luksave ol difren Beach sekta.	Tablet we i gat GPS long hem, Beach saenage, kamera, ol smol saenbod (marin <i>plywood</i> o plastik, nil mo skru, blak mo waet paint)	Oi lokol monita, Oi Projek	
2	Wok blong wanwan monita i no semak oltaem mo i nid blong impruvum	Folem Nes Monitoring Gaedlaen blong Annex I. Produsum wan shot film blong ol stret practis blong total nes monitoring blong eduketem ol monita. Ranem trening oltaem abaot ol gudfala praktis blong nes monitare wetem ol monita. Yusum monitoring gaedlaen blong SPREP.	Steseneri, ol Posta, video mo pepa we oli printimaot	Wan Smol Bag (WSB) Vanuatu Dipatmen blong Fiseri (VFD) Dipatmen blong Envaeromentol Proteksen mo Konsevesen (DEPC)	
3	Oi monita oli no gat ol stret tul mo materiel blong karemaot wok blong monitoring	Lukaot fands, pem besik tul mo materiel blong usum long nes monitoring. ren kot, reflektif vest, olgeta tag, olgeta tag apliketa, olgeta fil notbuk, Masta Rekod Buk.	GPS, tep mesa, toj we oli strapem raon long hed, toj laet, olgeta wotapruf fon keis	Oi Projek WSB	
4	Oi monita oli stap patrol leit long naet mo long eli moning from oli nogat shelta kolosap long beach blong rest	Findem funding, Bildim wan Watj Haos or total monitoring Senta wetem intanet koneksen, sola paoa mo karem ol akomodesen saplae mo materiel blong blong use by ol monita long taem blong patrol, ol visitas mo ol risej people mo ol eko-visita.	Materiel blong haos, sola sistem, 3 link satelaet intanet, bed, matres, moskito net, toilet, tul blong kitjen etc	Dipatmen blong Fiseri Oi total monita blong komiuniti	
5	Fasin blong makem ol nest i no gud enaf, plante taem ol nest we oli makem oli lus o damej	Impruvum mak blong nest olsem usum plastic maker, we oli save reusum bakegen.	Samting blong makem nest wetem (bambu o saen plastik)	Oi Projek Komiuniti	
6	Man mo ol dog oli damejem nest mo eg long ol rimot beaches mo i no gat enaf monitoring wok	Mekem moa toksave, yusum wan bot blo visitim fulap ples, usum spaeglas lukluk long, Setemap Fisheries Authrized Officers blong Impruvum Enfosmen.	Kamera, olgeta spaeglas, bot	Oi Projek DEPC	

	Problem we oli fesem	Oi aksen blong adresem	Oi samting we oli nidim long mekem wok ia	Oi responsibol pipol or atoroti	Deit we oli ajivim wok ia
7	Nes i stap anda long san i hot tumas long deitaem mo kilim ded eg	Putum tempereja logga blong monitarem temperatje blong sanbij blong andastanem jenis long snadbis mo hao emi afektem bebe totel. Logga ia i rikodem tempereja evri haoa, data daonlod blong evri 3 manis, mo jenisem batri wan taem long wan yia.	30 x Nest Tempereja Logga (<i>Tiny Tag Plus 2 brand</i>), AA batri	Oi Projek VFD	
8	Hae wev long taem blong hariken i stap wasemaot ol nes kolosap solwota	Folem gudfala praktis gaedlaen blong mreloketem nes we i stap long risk we i stap long Gaidlaen long Anex. Trenem ol monita blong handelem ol eg long relokesen olsem.	Yusum ol lokol o moden materiel blong pulum fanis raon long eria	Komiuniti mo WSB	
9	Oi ston mo wud i blokem rod blong mama totel i kam mo ko bak afta i layem eg mo distebem rod blong yang totel i ko long sowota	Folem gaedlaen long Annex II blong reloketem nest we i gat ston long hem. Trening blong monita blong handelem ol eg, mo kliarem olgeta mein ples long solwota.	N/A	Komiuniti ol monita, WSB	
10	Namba blong ol monita naoia emi no enaf blong patrol long evri ples	Karem back totel komiti mo trenim sam more monita long naoia 2 monita we i stap finis oli mas wok stat long Septemba kasem Februari mo 1 monita long Jun, Julae, Okis, Maj mo Eprel.	N/A	Oi Projek, VFD o DEPC, WSB	
11	Sam Beaches i stap far awei tumas blong wokbaot kasem, mo long samfala, oli kasem long low taed nomo (E, F)	Yusum haos blong monitarem totel. Yusum wan bot blong go long olgeta ples we oli stap longwe, mo ol ples we oli no save kasem long wokabaot.	Rentem wan bot mo pem fiul, lukaot fanding blong wan niu boat	Komiuniti mo olgeta Projek	
12	Fasin blong taggem olgeta totel wetem olgeta satelaet tag	Taggem olgeta totel wetem olgeta satelaet tag blong andastanem muvmment blong olgeta mo ol ples we oli stap kasem, shelter mop les we oli kakae long em kakae mo mekem nes.	Oi satelaet tag mo ekwipmen we i kam wetem	Oi Projek, SPREP WSB, VFD	

Tebol 9. Implementesen aksen blong totel nes relokesen

	Problem we oli fesem	OI aksen blong adrese	OI materiel mo ekwipmen we oli nidim	Olgeta we oli responsibol	Deit we oli ajivim wok ia
1	Nes i ekspos long bigfala wev long taem blong high tide long ol nes we i stap kolosap tumas long haewater mak	Reloketem nomo ol nes we oli stap long denja long, ol bigfala wev, long san o emia we i stap long risk blong river i wasem aot olsem long Beach C, i gat trening need blong olgeta monita long saed blong handelem ol eg. Reloketem nes i ko long wan fanis we oli mekem wetem lokol o moden materiel long eria kolosap o muvum nes i ko long eni eria aotsaed we i sev.	Bambu, post we oli mekem long wud, olgeta savel, plastik baket, speid or wan sev eris aotsaed nomo	Komiuniti monita	
2	Solwota i kam sho tumas long hariken mo wasemaot plante nest	Folem olgeta gaedlaen long Annex II blong reloketem nes long wan sef ples antap we wev i i no kasem. Trening blong olgeta monita long saed blong handelem olgeta eg.	Yusum olgeta lokol o moden materiel, olgeta savel mo plastik baket blong pulum fanis raon long eria	Komiuniti mo WSB	
3	Ston mo wud i blokem rod blong totel iko putum eg mo kam bak mo ol yang totel i ko long solwota taem oli hatcj festaem	Folem olgeta gaedlaen long Annex II blong muvumaot nest. Trening blong olgeta monita long saed blong handelem olgeta eg, mo kliarem olgeta mein ples long solwota.	Yusum olgeta lokol o moden materiel, olgeta savel mo plastik baket blong pulum fanis raon long eria, wetem man paoa	Kominiti totel monita	
4	Buluk i wokbaot long nes mo i purfut long nes mo damejem	Fensem aot eria we i gat nes long solwota blong blokem buluk olsem long Beach B mo C blong stopem buluk iwokbaot long nes.	Barb waea, (1 km) inkludum olgeta post, stepol mo jenso blong katem post	Komiuniti OI Projek	
5	Monita nogat save blong hadelem mo muvumaot nes blong totel	Produsum wan shofala edukesenol film long saed blong muvum nest i go long narafala ples we i sev.	Filming, Edita; saentifik advaes long saed blong muvum nes i go long narafala ples	OI Projek VFD SPREP	
6	Monita oli nogat ol stret tul mo materiel blong mekem wok	Pem olgeta besik materiel blong olgeta aktiviti blong muvum nest i go long narafala ples.	OI savel, olgeta baket, nes ID bod	OI Projek WSB	

	Problem we oli fesem	Oi aksen blong adresem	Oi materiel mo ekwipmen we oli nidim	Olgeta we oli responsibol	Deit we oli ajivim wok ia
7	Oi monita oli nogat save blong handelem eg long taem blong relokesen in ko long nara ples	Trenem ol monita long ol gud praktis blong eg relokesen, hemia tru long ril situesen o tru long wan trening video we oli save yusum blong tijim ol monita.	Trena mo olgeta trening materiel	Oi Projek WSB VFD	
8	Mekem gud olfala fanis blong nes we i stap o bildim wan niufala wan long wan niufala ples	Impruvum mo renovetem nes fanis we i stap wetem materiel we i save stap longtaem olsem plastik net. Bildim wan rilokesen eria blong nest blong totel kolosap long Totel Haos blong haosem ol nest we wev i bin wasemaot olgeta.	Plastik mesh, <i>poly-coated o galvanised steel</i> fanis 150 m longfala, samples 1.8 m hae, wetem mesh saes 20 cm – 30 cm bigwan, stepol blong fanis, olgeta <i>hinges</i> mo timba blong olgeta post mo entri doa	Komiuniti mo Oi Projek	

Tebol 10. Olgeta aksen mo implementesen blong kontrolem olgeta predeta blong no damejem olgeta nest mo kakae olgeta bebe total

	Problem, risk mo jalens	Ol aksen blong adresem	Ol samting we oli nidim blong karem aot wok ia	Ol pipol mo atoroti we oli responsibol	Deit we oli ajivim wok ia
1	Ol nimol specialty ol dog oli digim nes mo kakae eg	Mekem ol protektiv keij ⁴ (180 total) blong kavremap wanwan nes long Beach D mo E (6 long wan zon x 30 zon). Lukluk long plastic mesh olsem nara option.	180x lightweight metal alloy cages, 1.5m x 15m	Ol projek Komuniti	
2	Pipol oli digim mo kakae eg blong total	Kontinu mekem toksave wetem ol nara komiuniti long eria long loa blong total.	Ol posta, video mo ol pepa we oli printimaot long Fisheries Loa long total.	Polis, VFD, DEPC, Eria Kaonsel, WSB	
3	Hae namba blong bebe total i ded, tru predesen long olgeta shak mo olgeta fish we oli swim kam long sho	Karem pikinini total i go long dip ples aotsaed blong oli no go long eria we i gat hae risk long hem. Sipos no, swim wetem olgeta bebe total kasem oli krosem rif i go aotsaed.	Rentem bot mo glas blong daeva mo winpaep	Ol lokol monita	
4	I nogat notis bod blo infomem pablik long ol total nesting eria	Putum olsaen long evri 200m folem evri Beach blong rimaendem public long ol loa blong total mo spesely total eg mo faen long eni man we i brekem.	Putum a pol notis (marin plae o plastik, kolosap long A4 saes pepa, <i>portrait orientation</i>), olgeta nil/ bolt, timba/metal stand	Ol projek, Komuniti VFD, WSB	
5	I nogat infomesmen blong loa blong total long komiuniti	VFD bae putum wan Otoraes Ofisa blong long Wiawi komiuniti blong enfosem loa blong total mo ripotem long Fisheries blong tekem i go long kot.	NA	VFD Polis, VFD	
6	Impruvum wok blong jej blong hem i pat tu insaed long konsevesen blong total mo marin laef	Rul blong SDA Jej long saed blong no kakae total emi wan gudfala praktis mo oli mas holem taet long Wiawi. Ol lida blong jej bae oli holem wan miting long wan yia olsem, o olsem pat blong sevis blong olgeta blong holem prea sesen long saed blong konsevesen mo lukaotem envaeromen mo wael laef blong Wiawi.	NA	Jif mo olgeta Lida blong Jej blong Wiawi	

4 Mas bildim ol keij wetem ol materiel mo disaen we saens i rikomendem, mo mekem sua se ol total oli no kasem eni kil mo ol nest oli no kasem eni damej. Oli rikomendem model we olgeta rangers long Cape York oli bin mekem test long hem ia.

	Problem, risk mo jalens	Ol aksen blong adresem	Ol samting we oli nidim blong karem aot wok ia	Ol pipol mo atoroti we oli responsibol	Deit we oli ajivim wok ia
7	I gat tumas dog long vilej we oli mekem damej long ol nest mo ol bebe totel we oli jes kamaot long eg	Putum wan limit long namba blong dog long wan haos.		Komiuniti	

Tebol 11. Implementesen aksen blong Totel Data Manejem raetem Ripot long Wiawi

	Problem, risk mo jalens	Aksen blong adresem	Ol samting we oli nidim blong mekem wok ia	Ol pipol mo atoriti responsibol	Deit we oli ajivim wok ia
1	Pepa rikod i no mo usful, oli lus, damej mo lus long taem hariken mo long transpot i go long Port Vila	Introducum elektronik rikoding sistem wetem improvmen blong TREDs databes long SPREP lbong mekem ol monita ol rikodem totel infomesen daerek long tablet mo mobael phone. Kipim wan daeri blong rikodem ol nara information olsem work blong monitor everi dei mo any incident we bae i helpem report mo quality kontrol blong ol data.	Daeri mo olgeta tablet	Ol projek SPREP	
2	VFD emi reguletem totel resos be emi no involve long totel monitaring data koleksen mo i no save givhan blong impruvum data manejmen sistem ia	VFD mo SPREP tufala i mas wok tugeta blong mek sua se VFD emi tekpat long management blong totel monitoring data being colleksen mo mangemen.	Kompiuta system	VFD DEPC, SPREP	
3	Ol Data blong totel long TREDs databes i i no stret mo i kivim rong infomesen long kavman	SPREP, WSB mo VFD mas wok tugeta blong stretem totel monitaring data manejmen mo producum ol repot i go long kavman mo long komiuniti.	NA	VFD DEPC mo SPREP	
4	Leit sabmisen blong data afta long toel bridging sisen	Introducum elektronik data rikoding sistem blong mekem i sisi blong sedem dat i kam kasem VFD mo WSB.	NA	VFD DEPC mo SPREP	
5	VFD mo totel monita oli nogat skil long saed blong data manejmen	Karem aot trening blong ol monita mo staff long VFD long saed blong manejmen mo analysis long totel data.	Steseneri mo olgeta pepa we oli printimaot, Tablet, compuer, software	SPREP, olgeta projek, VFD, WSB	
6	Nogat analisis long ol data blong totel mo no gat repot	Setemap TREDs databes long VFD mo mekem trening long wok blong analaesem mo mekem ripot blong data long olgeta komiuniti mo gavman.	N/A	SPREP VFD WSB	

Tebol 12. Implementesen aksen blong kominiti patisipesen mo netwok long Wiawi wetem ole ria kolosap

	Problem, risk mo jalens	Ol aksen blong adresem	Ol samting we oli nidim blong mekem wok ia	ol pipol mo atoriti responsibol	Deit we oli ajivim wok ia
1	I gat plante projek mo we oli stap wok long Wiawi be pipol mo ol patna i no save gud hu i stap mekem wanem	Holem samples 2 komiuniti miting long wan yia blong givim ol apdeit infomesen long olg wok blong total mo updet long data koleksen, damej mo ol nara isu mo ol nara isu aotsaed long total olsem 'Waste Management', konsevesen, yus blong najorol risos etc mo trening blong ol woman mo ol gel.	Projekta, jenereta, skrin, laptop, sofwea, olgeta posta, ol pepa we oli printimaot, olgeta video	DEPC, VFD, WSB SPREP	
2	Komiuniti i no stap risivim fidbak oltaem long saed blong data blong we oli kolektem	Aggreitem TREDs databes elektronik data rekod, VFD tu bae kat aksese long TREDs databe, karem aot trening long TREDs databes, mekem ripot i gobak long Gavman mo komiuniti long evri yia.	Ol travel kost, tablet, laptop, intanet/ kredit blong fon	SPREP, WSB, VFD	
3	Yumi no stap luk olgeta monita o atendem miting blong olgeta	VFD i Tekpat long ol anuol miting blong WSB Vanuatai risos monita, mo eni narafala miting mo olgeta trening saed blong total.	Ol travel kost	WSB, olgeta projek, VFD, DEPC	
4	I nogat wan way blong wok tugeta wetem ol nara kominiti kolosap long saed blong total	Okanaisem ol miting mo trening mo invaetem ol kominiti kolosap, Malakula Netwok, Malekula Protektem Risos Koalisen mo olgeta narafala lokol netwok blong patisipet long em.	Ol travel kost	Eria Kaonsel Malekula Protektem Risos Koalisen Ol NGO	
5	I nogat enaf awareness abaot konsevesen blong olgeta total long Wiawi	Openem wan exjens program wetem olgeta monita blong Bamboo Bay o nara ples blong serem tingting.	Ol travel kost	Ol monita blong Wiawi mo Bamboo Bay	

	Problem, risk mo jalens	Ol aksen blong adresem	Ol samting we oli nidim blong mekem wok ia	ol pipol mo atoriti responsibol	Deit we oli ajivim wok ia
6	Ol yang pipol mo ol woman oli no stap tekpat long ol aktiviti blong monitarem totel	Inkludum yut mo woman long ol fil visit mo eksjenj program wetem wetem ol nara eria.	Ol travel kost	Evri komiuniti mo olgeta Aelan	
		Inkludum woman long trening blong totel monita mo insaed long totel monitaring komiti blong oli involve long desisen making long ol nara aktiviti mo treninig long ol pikinini blong rispektem envaeromen.	NA	Ol Jif mo vilej otoriti	
		Inkludum ol yut long prokram blong totel, konsevesen wok, mo holem olgeta ivent long ol spesel dei olsem dei blong olgeta Pikinini (Children's day).	NA	VFD DEPC WSB	

Tebol 13. Implementesen aksen blong development blong sastenebol ekonomic aktiviti long kominiti

	Problem, risk mo jalens	OI aksen blong adrese	OI materiel mo ekwipmen we oli nidim	Olgeta we oli responsibol	Deit we oli ajivim wok ia
1	Wok blong total i no gat mone long em long em nao ia	I nid blong openem ol kaen aktiviti we i jeneretem mone o inkam olsem inkludun wan visit or tua pakej blong forest mo lukluk pidjin blong bus, mo swim mo lukluk andanit fish long solwota wetem total watj olsem wan tourist aktiviti.	Nogat	MALFFB, MALAMPA Provins Vanuatu Skills Partnership Eria Kaonsel	
2	Nogat rod blong tekem ol produce i ko long maket from rod blon trak i nogud mo i nogat spid bot long kominiti blong provaedem transpot service	Komplitim developmen blong rod blong trak kasem Wiawi, karem wan bot blong kivim nara opsen blong transpot servis i go long Lakatoro blong tekem produs i go long maket olsem kokoa, kopra, pepa, mit blong buluk, rut krop, fis, timba, olgeta mat mo vejini oel.	Nogat	PWD, MALAMPA provins, NW Eria Kaonsel, Dipatmen blong Agrikalja, Dipatmen blong Laefstok	
3	I nogat turisim aktiviti nomata long gudfala naturol atraksen blong solwota, envaeromen mo total	Wok wetem Dipatmen blong Turisim blong openem rod blong <i>cruise</i> turisim development speseli <i>moorings</i> blong <i>yachting</i> mo rejistresen. Developem wan research fi blong pem speseli blong olgeta man o woman we oli mekem risej long total, mo ol nara risos solwota mo graon.	Nogat		
4	I nogat akomodesen blong ol visita mo turis i stap long em	Developmen wan gest haos olsem total monitoring senta haos wetem lokal material mo putum wan komiti blong manejem mo kamap wetem ol praes blong rum.	Nogat	Komuniti, VFD DEPC	
5	I nogat pablisiti blong konsevesen eria	Setemap wan Facebook pej (Wiawi Tabu) mo postem apdeit oltaem. Setemap wan imel akaon. (WiawiConservation@gmail.com) Setemap wan besik websaet blong projek. Raetem olgeta aplikesen blong dona projek blong karem help olsem peimen blong monita, mo wan bot charter blong kasem rimot blong karem aot monitoring wok.	Kompiuta mo intanet Laptop, Sapot blong wan ekspet	OI projek VFD, WSB, DEPC SPREP. Eria Kaonsel	

Tebol 14. Implementesen aksen blong gavenens blong monitoring program long Wiawi

	Problem / Jalens	Ol aksen blong adresem	Ol materiel mo ekwipmen we oli nidim	Olgeta we oli responsibol	Deit we oli ajivim wok ia
1	Lidasip isu bitwin tufala jif i afektem wok blong Totel monitoring komiti	I gud Jif Timothy mo Jif Konel stretem tufala mo no letem issu ia i dividem kominiti mo tekem tufala family i kam tugeta blong mekem totel monitoring komiti i wok bageken.	Nogat	Jif Timothy mo Jif Konel	
2	Totel monitoring komiti i no aktiv	Mekem jif i apointem komiti ia bageken afta launching blong plan ia mo yusum semak komiti ia blong olgeta narafala development aktiviti olsem wota, turisim etc... mo adresem olgeta living insentiv.	Mobael fon, steseneri	Jif mo pipol blong Wiawi	
3	I nogat gud komunikesen bitwin Jif mo ol monita	Rivaevem totel monitoring komiti mo impruvum komunikesen wetem Jif long wok blong komiti olsem btifim Jif evri manis o taem i gat wan issue.	Laptop, mobael fon, steseneri	ol Jif blong Wiawi, Vanuatu <i>Climate Action Network</i> , WSB, Kaljoral Senta	
4	I gat plante Dipatmen mo ol projek i kam long Wiawi, taem wan i no finis yet be wan narawan i kam antap mekem kominiti no save gud ol projek	Ranem toksave oltaem wetem Wiawi leaders long saed blong gud gavanens mo projek manejen, olsem eksampol, trening long saed blong bukkiping, fasilitetem miting, raetem ripot, raetem wan projek proposol, monitoring mo evaluesen, mo sam narafala samting bakegen.	Ol trening materiel	<i>Oxfam</i> , Vanuatu Klaemet Aksan Netwok, WSB, Eria Kaonsel	
5	I nogat enaf save long saed blong manejen o projek	Askem wan voluntia blong sapotem olgeta program operesen, inkludum wok long saed blong envaeromen, sastenebol faenans mo program sastenebiliti.	Akomodeisen blong voluntia	<i>JICA</i> , <i>Volunteer Service Overseas</i> Ol voluntia blong Australia <i>Peace Corps</i>	
6	Nogat save long saed blong Gavanens blong projek	Raetem ol aplikesen blong dona projek blong ol impotem aktiviti olsem peimen blong monita, mo wan bot blong usum long mekem monitoring wok long remote eria, kamera, mo sam nara samting.	NA	Ol lida mo ekspet blong Wiawi	



Grin total hemi stap swim long solwota. Foto hemi blong Freepik

8. Monitoring Gaedlaen

Long section ia i gat ol Gaedlaen we i talemaot mo olgeta step we ol monita oli mas folem taem oli stap karem aot ol wok blong olgeta long tufala main wok ia;

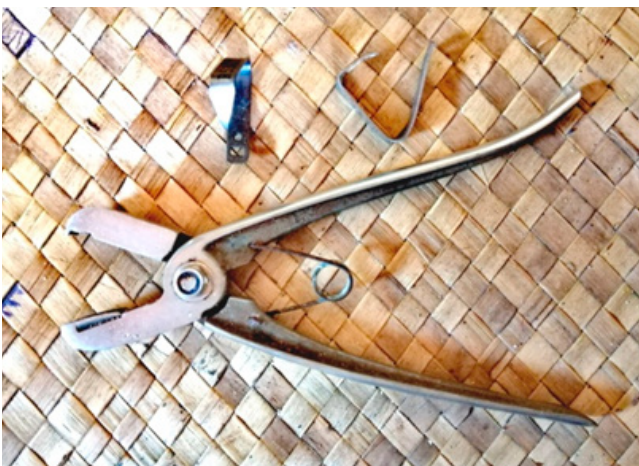
(a) Hao blong tagem mo rekodem mama total we i stap layem eg (Pat 1)

(b) Hao blong reloketem wan nes mo ol eg long wan nes we i stap long denja i go long wan sef ples (Pat 2)

Pat I. Gaedlaen Blong Hao Blong Tagem Mo Rekodem Mama Total Taem We i Stap Layem Eg

Step 1. Ol monita oli mas gat ol tool mo material ia oltaem blong mekem wok:

- Bag blong karem ol tul
- Tag Apliketa: spesel tool blong tagem total, we i gat handel blong hem mekem se i no nid blong prestem strong tumas blong fitim tag
- Metal Tag: ol iron tag we i gat namba long hem wetem nem mo adres blong oganaesesen we i lukaotem wok ia we emi SPREP
- Hed toj laet – laet ia we ol monita i putum long he demi gud from hand i fri blong mekem wok
- Pistol toj laet – blong laetem ples nomo afta we mama total i layem eg finis
- Teplaen – wotapruf measuring tape olsem 3 mita tape
- Tablet o fon – blong tekem pikja, makem GPS lokesen, rekodem infomesen, teken pikja mo komunikesen
- Wotapruf paos blong fulumap fon o tablet long hem
- VHF/UHF Redio – blong toktok wetem ol nara monita
- Renkot blong werem long taem blong rein
- Ol kala vest - blong ol monita i werem taem oli stap mekem wok blong olgeta
- Klas blong lukluk (binoculars) blong helpem lukaot long ol activity long ol bij we i stap farawe long deitme



Ol tul blong ol total monita



Step 2. Trening blong ol monita

- Ol monita i mas karem gudfala trening blong handelem ol mama total from hemi no sef tumas taem oli stap putum eg, eni samting we i distebem mama total bifo emi dikim nes mo layem eg bae i save mekem hemi nomo wantem mekem nes mo i ko bak long solwota
- Monita i mas kat trening long ha oblong tanem wan total blong checkem wan samting, no mas tanem wan total spos i no gat trening blong mekem or taem i no gat wan monitor i stap
- Ol monitor oli mas go tru long trening long wanem oli no save mekem taem oli stao patrol long taem blong bridging sison blong total olsem

No mekem noes: olsem toktok antap o laf bigwan o mekem miusik;

No Mekem laet: olsem faea, yusum tojlaet we i saen tumas; mo

Holem, tajem, karem, muvum wan total o blokem rod blong hem o distebem hem long eni nara fasin taem i stap blong mekem nes.

Step 3. Save long taem we mama total i kam sho blong nes

- Ol mama total oli save kam so eni taem blong mekem nes, be emi depen nao long wanwan ples wetem low mo hae taet
- Long ples we i gat rif, ol mama total oli kam so long taem solwota i kam so
- Long ples we i no gat rif mo solwota i dip kasem so, ol mama total oli kam so eni taem
- Jekem ol taedal kalenda blong faenemaot wanem taem bae solwota i kam so, mo statem wokbaot samples long 2 aoa bifo long fu
- Long Bamboo Bay solwota i dip kasem so mo ol total oli save kam any taem be oli kam so oltaem long naet nomo, mekem se program blong ol monita emi stat taem san i godaon kasem long naet mo eli moning

Step 4. Lukaotem trak blong total long sanbij

Long taem blong patrol long sanbij bae yu save faenem trak blong total long sanbij mo yu save taem wanem kaen total:

- Hoksbil total, raetsaed blong trak blong hem i difren long lefsaed, from taem emi i wokbaot, hemi stap muvum raetsaed han blong hem fastaem afta i jes muvum lefsaed han blong hem
- Grin total, raetsaed wetem lefsaed blong trak blong hem i semak, from emi muvum tugeta han blong hem wantaem
- Letabak total tu, raetsaed wetem lefsaed blong trak blong hem i semak be i mo bigwan bitim Hoksbil mo Grin total



Trak blong Grin total



Trak blong Hoksbil total

Hao Blong Luk Save mo Trakem Totel

Mak Blong Leg

Mekem monita long morning from mak blong leg oli no lus yet. Bae mak blong leg hemi no klia taem man hemi wokbaot antap long hem, sanbij hemi sop sop, solwota hemi kam antap, wind o weta hemi nogud. Luk luk gud ol difren mak weh stap long rod.

Oi men samting weh yu mas luk luk from hemi:

- Wanem kaen mak leg blong totel hemi mekem
- Distans long wan leg kasem nara leg
- Mak blong tufala leg behaen
- Mak blong tufala leg long fored
- Mak weh hemi showem seh hemi pulum bodi blong hem (Plastron Drag)
- Mak blong tail

Leg Oli Move Long Wanem Direkjen?

Hao blong yu luk saveh seh leg oli mov long wanem direkjen:

- Totel hemi pusum sanbij hemi go behaen, mo sanbij hemi mekem ol smol hill.
- Sos mak blong leg hemi go antap long nara wan, mak weh stap antap hemi showem seh totel hemi kam bak.
- Hemi sakem sanbij hemi go bak behaen taem hemi stap dig.

Mesarem Oi Mak Blong Leg

Yu stat mesarem mak blong leg long ol end weh oli fes go aotsaed. Hemia hemi leg weh stap lo fored or behaen, depen lo spesis blong totel.



Mak blong leg hemi olsem zigzag



Loggerhead

Distans long wan leg kasem nara leg: Hemi no ova 1 mita

- Tufala leg behaen
- Tufala leg long fored
- Plastron drag
- ✗ Tail: Nogat mak blong tail



Hawksbill

Distans long wan leg kasem nara leg: Sam ples 70-80cm

- Tufala leg behaen
- Tufala leg long fored
- Plastron drag
- Dragem tail



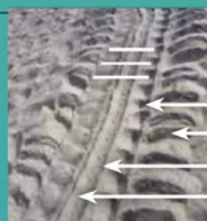
Olive Ridley

Distans long wan leg kasem nara leg: Sam ples 70-80cm

- Tufala leg behaen
- Tufala leg long fored
- Plastron drag
- Dragem tail



Leg blong totel wan hemi go fored mo wan hemi kam behaen



Green

Distans long wan leg kasem nara leg: Sam ples 94-144cm

- Tufala leg behaen
- Tufala leg long fored
- Plastron drag
- Dragem tail



Flatback

Distans long wan leg kasem nara leg: Sam ples 90-100cm

- Tufala leg behaen
- Tufala leg long fored
- Plastron drag
- Dragem tail



Leatherback

Distans long wan leg kasem nara leg: Hemi pitim 2 mita

- Tufala leg behaen
- Tufala leg long fored
- ✗ Plastron drag: Hemi no klia
- Dragem tail

Step 5. Faenem mama total

1. Sapos yu luk wan trak blong total long sanbij we i stap go antap long ples we gras i gru long hem, no yusum tojlaet blong lukaotem total ia, from lukaot bae hemi stap mekem nes blong hem yet, mo bae hemi lego nes ia sapos wan samting i distebem hem
2. Lisin from noes blong sanbij we total i saksakem, hemia i minim se total i stap digim nes blong hem nao
3. Wokbaot o krol sloslo folem noes ia o folem trak blong em
4. Samfala mama total oli save wokbaot plante long sanbij from oli stap lukaotem wan gudfala ples blong mekem nes we i no gat tumas gras, rus blo tri, doti, ston long hem o wud i blokem
5. Weit kasem taem we mama total i stap putum eg blong hem, bifo we yu mekem eni laet o makem eni samting! No tojem ae blong mama total, iven sapos hemi bisi long nes. Laet we i red i gud sapos i gat
6. No mas tanem total i silip long baksaed blong em



Mama total i stap digim nes



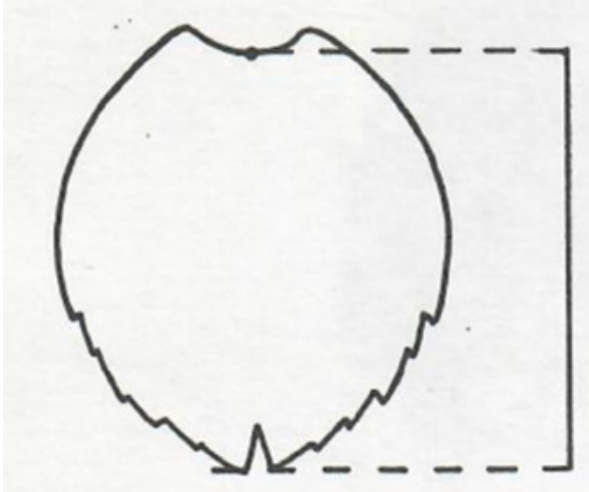
Mama total i stap putum eg

Step 6. Rekodem infomesen blong evri mama total we i nes:

- Deit we hemi mekem nes long hem
- Nem blo bij we nes i stap long hem (leta wetem zon)
 - Leta/namba blong eria
 - GPS poen posisen
- Wanem kaen total
 - Hoksbil total, eg blong em i smolsmol (4 sentimita) mo i plante lelebet (nomoli samples long 170 eg be i save kasem 250). Lefsaed wetem raetsaed blong trak blong hem i difren
 - Grin total, eg blong em i bigwan lelebet (5 sentimita) mo i no plante olsem hoksbil total (i no bitim 200). Lefsaed wetem raetsaed blong trak blong hem i semak
 - Letabak total, eg blong hem i bigbigwan (6 – 6.5 sentimita), mo namba blo eg i no fulap, nomol namba i no bitim 120. Lefsaed wetem raetsaed blong trak blong hem i semak be trak i bigwan bitim tufala narawan
- Saes blong total
 - 'Standard Carapace Length' (SCL) – longfala blong sel long baksaed, makem long wan tepmesa we yu save benem folem medel blong baksaed, statem long en blong sel long fored kasem en blong sel biaen olsem long pikja
 - Carapace Width – bigwan blong sel, makem long wan tepmesa i go kros long medel blong baksaed long ples we sel blong hem i bigwan, statem long en blong sel long lefsaed kasem en blong sel long raetsaed
- Infomesen blong tag we i stap finis long total sapos i gat
- Infomesen blong niufala tag
 - Namba blong tag (luk step 7 long gaelaen ia)

- Infomesen long enviromen ('environmental factors')

Wanem taem we i layem eg
 Solwota i drae o i kam so
 I gat munlaet o ol sta long skae o tudak
 Tempreja – ples i hot o i kolkol
 Wanem gras o plants i stap long sanbij raon long nes
 Ne semi andanit long tri no lo klia ples
 Ol monita oli sud mekem rekod kwik afta we mama totel i finisim nes blong hem (long nekis 24 aoa).



Fasin blong mesarem longfala blong sel blong totel



Fasin blong mesarem longfala long baksaed

Step 7. Tagem totel

- Taem mama totel i layem eg finis mo i stat berem nes blong hem, hemi taem blong tagem
- I gud blong tagem taem hemi stap berem nes blong hem yet. Taem hemi stap wokbaot i gobak long solwota, i had tumas blong holem taet hem blong tagem
- Klinim tag long wan likwid we i save kilim bebet (alkol, aedin o krim blong soa)
- Waepem han blong totel long ples we tag bae i go long hem long likwid blong kilim bebet, saed antap mo saed daon
- Monita we i stap fitim tag i mas meksua se han blong hem i klin
- Tagem tufala han long foret long raetsaed mo lefsaed tugeta
- Pinnim tag long baksaed blong han klosap long ol bigbigfala skel long medel o long medel blong ol bigbigfala skel ia
- Putum sap en blong tag antap long han, mo prestem i go tru long hand i ko kamaot andanit mo benem wetem klipa

Skwisim gud klipa tul blong fasem tag wantaem

Lukaot from bae totel i muvmuv strong taem we tag i go long hem, nogud bae totel o monita i kasem kil



Metal tag wetem namba



Tag long han long forest

Step 8. Afta we mama totel i putum eg

Mesarem saes blong totel mo putum tag, recodem tag namba mo lego hem i go finisim berem nes blong hem mo gobak long solwota. No tajem hem bakegen o letem eni laet o noes i distebem hem.

Step 9. Putum maka long nes

I sud gat gudfala rekod blong evri nes.

Oi monita oli sud mekem rekod kwik afta we mama totel i finisim nes blong hem (long nekis 24 aoa).

Faenem stret ples we nes i stap long hem. Nomoli hol blong nes bae i stap long ples we mama totel bin i sidaon long hem long saed i godaon long solwota.

Putum wan maka (wan stik o pos) long sanbij, putum klosap long hol blong nes be no putum stret antap long hol blong nes.

Raetem ol infomesen ia long wan pis bod o bambu:

- ID blong nes (Beach ID/zon)
- Deit we mama totel i putum eg
- Wanem kaen totel
- Deit we bae eg i brok mo pikinini totel oli sud kamaot



Priperem bambu olsem maka blong nes



Raetem deit long bambu.



Wok blong putum maka long ol nes





Hawksbill totel hemi stap swim long solwota. Foto hemi blong denAsuncioner - Flickr

Pat 2.

Gaedlaen blong muvum nes blong ol total

Relokesen blong nes i no wan gudfala practis, be yumi mekem nomo taem we i nid blong sefem nes akensem wan denja. I gud blo lego nes i stap olsem we mama total i putum. Olgeta poen we ol monita oli mas lukuk long em festaem befo muvum wan nes.

Step 1. Assessem spos i nid blong muvumaot nes

- Jekem se nes ia i sef o no? wetem trifala questen ia:
- Faenemaot se mama total i bin mekem nes ia long las 4 aoa nomo
- Sapos nes i sstap long wan ples we solwota i save wasem o karem aot?
- Bae i gat wan wok i tekples klosap we i save spolem nes
- Nes i stap long wan rod o wan ples we ol man mo ol anamol oli save purumbut long hem?
- Sapos no leg ones i stap nomo

Step 2. Ples blong muvum nes i go long em

Faenem wan sef ples blong muvum nes i go long em, plesia i mas be wan ples we mama total bae i wantem mekem nes long hem olsem i stap long andanid long wan tree o wan shade aot long san, spo emi long fanis, fanis ia i mas stap long shade mo i no longwe tumas long solwota

Step 3. Ol tool blong reloketem nes

Plastik baket, shavel or stik mo man pawa

Step 4. Day mo taem blong reloketem nesday

Dei blong mekem nes relokesen emi mas be wan gudfala day, karemaot relokesen nomo taem san i go daon or long tudak from mama i laim eg long tidak insaed long 4 haoa we mama i laiem.

I gud oli mekem kwik, taem mama total i putum eg blong hem finis be i no afta 4 aoa i pas.

Step 5. Who bae i karem aot relokesen ia

Ol monita we oli bin gat trening long hao blong muvum nes, olgeta nomo oli sud mekem wok ia.

Step 6: Digim aot nes

Plante taem mama total i save putum ol eg long saed blong hol we i fesem solwota. Ol monita we oli save gud wok ia nomo oli sud digim sanbij, mo oli sud digim long han blong olgeta nomo.



Wok blong jekem nes we i nid blong muvumaot (reloketem)

Step 7. Karemaot ol eg mo putum long wan baket mo kaontem

Putum sanbij blong ples we nes i bin stap long hem long botom blong kontena, blong mekem ol eg oli no save muvmuv insaed. Tekem gudfala kea blong meksua se i no gat eni eg i brok (sapos wan eg i brok, karemaot eg ia wetem wota blong hem, from bae i mekem ol nara eg i sting). Blong mekem i isi blong luksave wanem saed blong eg hemi top blong hem, bae yu save raet long top blong eg long wan maka pen. Plante taem bae yu luk se top blong eg i klin mo i waet, be saedsaed blong hem mo aninit long hem i doti long sanbij.

Makem hol blong nes se i dip olsem wanem (hamas sentimita daon?).

Evri eg i mas stap long sem posisen we i bin stap long hem taem mama totel i putum, top blong hem i stap long saed antap.



Wok blong digimaot eg long nes we i damej o i no sef, mo putum gud long baket

Step 8 Muvum ol eg i ko long niu nes

Wokabaot wetem baket i go long wan new ples o wan fenis long sanbij aot long olfala nes.

Wokabaot slo mo no muvmuvum ol eg tumas. Spos you reloketem nes long daytaem no letem san i saen long ol eg. Plokem baket blong rein i no kasem eg sapos i rain.

Step 9 Digim niufala nes mo putum ol eg insaed

Digim niufala hol we i dip semak long olfala hol we mama totel i digim. Traem best blo mekem saes mo seip blong niufala hol i semak olsem olfala wan. I gud blong digim sanbij long han nomo or wan smol stik. I gud blong mekem niufala nes klosap long olfala nes, be igo antap – hemia bae i mekem i kwik mo i isi blong muvum ol eg.

Step 10 Putum eg long niu nes

Putum wanwan eg long hol semak olsem yu karem aot (no kapsaetemaot nomo long baket!). Putum ol eg we oli kamaot long bodom blong olfala nes long bodom blong niufala nes, mo ol eg we oli bin stap long top blong olfala nes long top blong niufala nes.

No putum eni sanbij long medel blong ol eg. Smol sanbij we i stap finis long ol eg i naf.

Berem nes bakegen mo prestem sanbij sloslo raon long en blong nes blong mekem sanbij i strong semak olsem sanbij we i bin stap long olfala nes.

Afta, hipimap sam mo sanbij antap long hem blong mekem lukluk blong hem i semak olsem nes we wan mama totel i mekem. Nes blong grin totel bae i gat 50 sentimita sanbij antap long hem. Nes blong hoksbil totel bae i gat 30 o 35 sentimita sanbij antap. I gud blong putum smol mo bakegen.



Wok blong digim niufala nes mo putum eg i go insaed long sefasin we yu tekemaot mo meksua no tantanem ol eg tumas.

Sapos taem we i pas i bitim 4 aoa (o samfala dei) mo i luk olsem solwota bae i karemaot nes ia

Step 11 Putum maka long niufala nes

Taem yu mekem niufala nes finis, raetemdaon evri infomesen ia long wan maka (wud/bambu):

- Wan kaen totel
- GPS we nes i bin stap long hem fastaem
- Eria we niufala nes (Beach/ zon)
- Deit we mama totel i putum eg long hem
- Namba blong eg
- Deit we ol smolsmol totel oli sud kamaot
- Deit blong digim - deit we ol smolsmol totel oli sud kamaot long hem + 10 dei (blong faenemaot hamas long ol smolsmol totel oli kamaot long nes)



Maka blong nes we oli muvum

Step 11. Lego ol smolsmol totel (hatchling) taem oli kamaot long eg

Ol ego oli hatch long taem we eg i redi blong brok mo pikinini totel i kamaot. Taem blong hatch emi stap long daytime or long night mo emia emi happen najorol nomo. Ol monita oli save help blong digim out ol pikinini totel mo putum olgeta long sandbij blong oli go long solwota blong reducum eni damage or predation. Stap wetem ol pikinini totel mo kasem taem oli krosem rif kasem dip ples, mo traem blong mekem ol pijin, fis mo sak i no save kakae olgeta.

Step 12. Digimaot nes long deit blong digim mo tekem rekod.

Monita we hemi bin muvum nes fastaem bae i stap long taem we hemi taem blong digimaot blong rekotem hamas eg i gud, hamas i nogud. Kaontem namba blong ol pikinini totel we oli aot long nes ('Successfully escaped', SE) + olgeta we oli ded long nes ('Dead in nest', DN) mo namba blong eg we i no brok ('Unhatched eggs', UH) mo Wokemaot hamas i laef o 'survival rate' = $SE / (DN + UH)$



Wok blong digimaot nes we ol smolsmol totel i kamaot long hem finis blong faenemaot hamas i laef

MIAMI

NAGHA PINEIA

KASTOM KONSEVESEN PROGRAM - MALEKULA

HEMI TABU BLONG KILIM O KAKAE EK MO MIT BLONG TOTEL

BEACH F

BEACH E
Zones 1 - 2

BEACH D
Zones 1 - 18

BEACH C
Zones 1 - 3

BEACH B
Zones 1 - 7

BEACH A
Zones 1 - 2

Ata we ol bebe totel oli kamaot
lo shel, oli ron i ko lo sowola



Ol totel oli sta swim swim
olbaot bho 6 or 7 yia olsem



Oli swim go lo ol wota olcap
lo sanbi bho taem bho gro up
mo kam wan aldo tetol



Ata we hemi bonem pikinini, ol
totel sta lego pikinini bho olgala
lo sanbi mo go bak lo ol ples bho
taem kakae, kases next taem
bho ket pikinini



Oli go bak lo ples we hemi
bon bho ket pikinini bho hem



Ol totel oli ko lo ol ples bho
taem kakae mo i wet kases
taem we hemi redi bho ket pikinini

*Ripetern la
blang Tji*



EUROPEAN UNION



Sweden
Sverige



PEUMP

Pacific-European Union Marine Partnership Programme



SPREP
Secretariat of the Pacific Regional
Environment Programme





