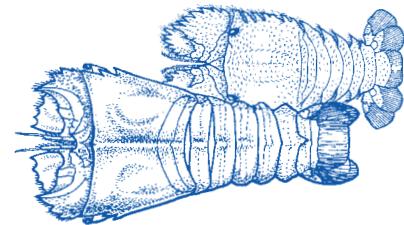




#21

# Flat naura/ Slipa naura blong solwota

## Slipper lobster (Scyllaridae)



**Slipa naura**  
Caledonian slipper lobster  
(*Parribacus caledonicus*)



**Flat hed naura**  
Flathead lobster  
(*Thenuis orientalis*)



### Spisis mo distribiusen

Ol crustacean we komon nem blong olgeta i slipper, shovel nosed o mitten lobster, oli klosap sem mak wetem ol naora blong solwota (Pepa blong toksave namba 13) be bodi blong olgeta i flat.

I gat sam spisis we oli kasem blong kakae long ol aelan blong Pasifik be i gat fiu nomo we oli diskraebem long pepa ia.

Oli inkludim Caledonian slipper o mitten lobster, *Parribacus caledonicus*, we i save gru kasem wan longfala blong 180 milimita mo i stap long plante ples long wes blong Pasifik Osen.

Hawaiian o sculptured slipper lobster, *Parribacus antarcticus*, i stap long evri solwota inkludim Pasifik Osen mo i save gru kasem wan saes blong 200 milimita.

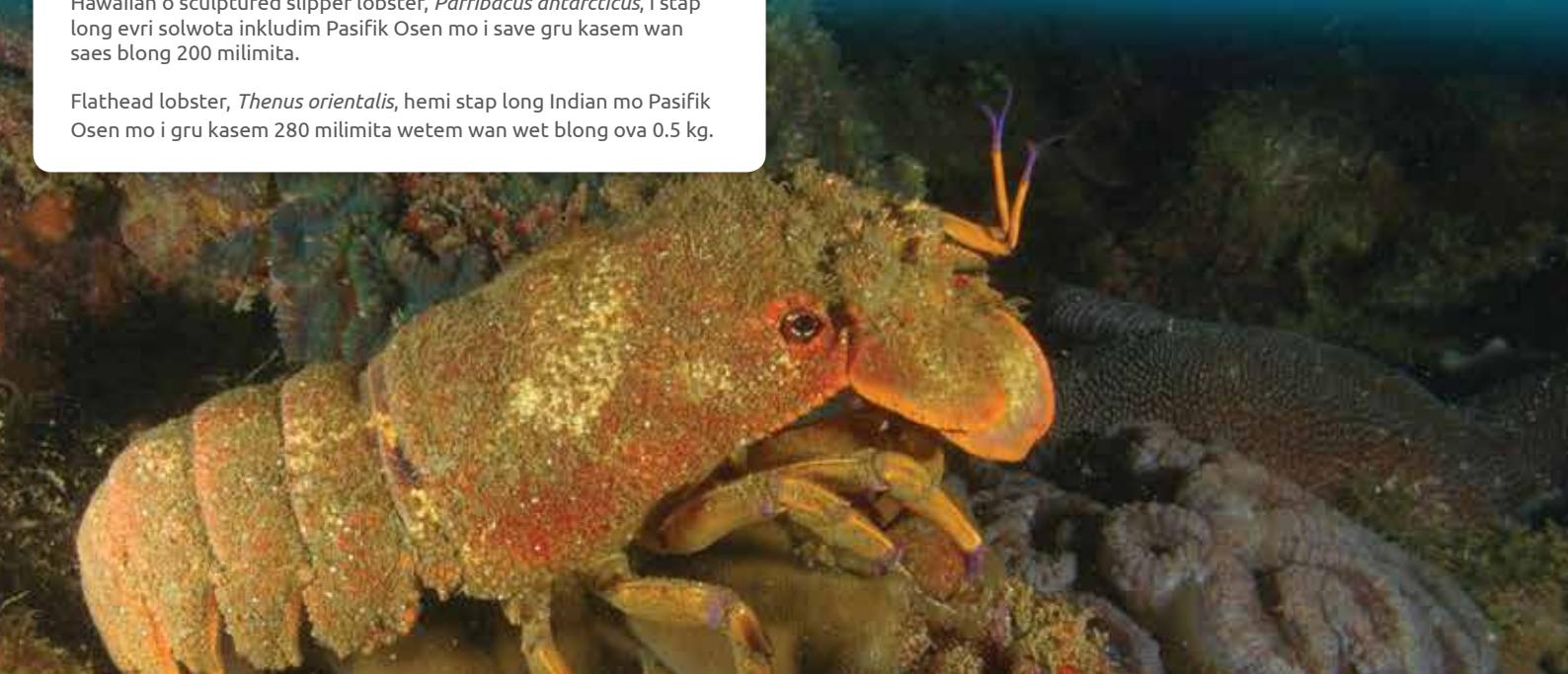
Flathead lobster, *Thenuis orientalis*, hemi stap long Indian mo Pasifik Osen mo i gru kasem 280 milimita wetem wan wet blong ova 0.5 kg.



### Ples we flat naora hemi stap long hem mo kakae blong hem

Flat naura oli ol animal we oli laef daon long botom blong solwota long ol salo wota blong ol lagun mo insaed long ol krak o hol blong ol ston long rif. Plante spisis oli kakae long naet mo go insaed long sanbij o haed long rif long dei. Sam, olsem Caledonian mitten lobster, i laef long wan hol o nes we hol blong go insaed long hem i smol olgeta.

Flat naura oli kakae ol defren kaen sel, olsem limpet, mussel mo oista mo oli kakae tu ol smol naora, krab, wom mo si ejen. Ol animal we oli stap kakae ol flat naura i inkludim ol strong skin fis, ol los mo nawita.





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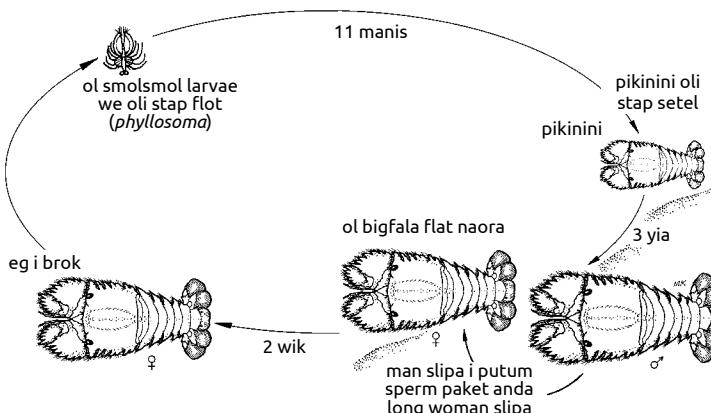
# Flat naura / Slipa naura blong solwota



## Riprodaksen mo saekol blong laef

*Flat naura oli kat seperet seks, hemi minim se i kat man (♂) mo woman (♀) naura, mo oli rere blong mekem pikinini taem oli kasem 3 yia.*

Long taem blong mekem pikinini, man naura (♂) i putum wan paket blong sperm (spermatophore) igo long andanit blong woman naura (♀). Wan woman naura i givim aot wan bigfala namba blong eg we i save kasem 100,000, we hemi karem andanit long bodi blong hem blong 2 wik or bitim long taem ia oli stap jenkal kala long orenj i go long braon. Taem ol eg i brok ol smolmol larvae oli kam aot long olgeta mo oli flot long solwota blong 11 manis. Aot long evri taosen blong ol smolmol larvae ia, anda long wan i save laef blong setel long botom blong solwota blong kam wan pikinini flat naura. Mo aot long evri wan hundred pikinini, anda long wan i stap laef blong kam wan bigfala naura we i save mekem pikinini mo maet hemi laef go kasem 10 yia.



## Fasin blong kasem flat naura

Ol flat naora we i laekem stap long ol ples daon long botom blong solwota we i gat sanbij, olsem spisis blong *Thenus*, plante taem oli stap kasem olgeta wetem ol net we oli pulum bihaen long bot o long ol bet trap. Olgeta we oli laekem stap long ol rif (we i inkludim ol *Parribacus* spisis) oli stap kasem olgeta long naet wetem han o oli daeva wetem spia. Samtaem oli yusum ol ekwipmen blong pulum win anda long solwota olsem SCUBA.



Gaed mo ol toksave ia hemi wok blong SPC ([www.spc.int](http://www.spc.int)) we i wok tugeta wetem LMMA ([www.lmannetwork.org](http://www.lmannetwork.org)) blong helpem pipol we oli wok wetem ol fising komiuniti blong givim advaes long ol defren mo gud fiseris manejen joes. Blong kat mo ekspleneson long ol toktok we istap insaed long Gaed mo ol toksave ia, you save luk long gaed buk. Foto : Mathieu Juncker



T.Babouline



## Ol fasin blong manejen we yumi i save jusum

Long Vanuatu, dipatmen blong fiseris i bin putum wan minimam saes limit we hemi 15 sentimita, stat long en blong sel blong hed blong kasem en blong sel blong tel blong hem. Evri flat naura we longfala blong hem i no kasem 15 cm oli no alao blong karem. I no alao blong givim kil, karem o traem blong kilim eni flat naura wetem spia on eni narafala samting we en blong hem i sap.

Regiulesen ia i blokem ol fisa blong no karem eni woman flat naura we oli karem eg. I no aloa tu blong karemaot eg blong wan flat naura o karem wetem hem, salem o pem eni flat naura we oli karemaot ol eg blong hem. Mo oli no mas ekspotem eni pikinini blong eni crustacean (inkludim ol flat naora) sapos Daerekta blong Fiseris i no bin otoraesem.

Panismen blong brekem ol rul ia blong wanwan man hemi VT 200,000 maximam; mo blong wan kampani o asosiesen o koperet bodi hemi VT 1,000,000 maximam.

Sam long ol narafala aksen we komiuniti i save mekem hemi blong:

- Stopem blong no yusum ol tul blong pulum win andanit long solwota. Kaen fasin ia oli stap yusum taem i gat wan kampani we i stap pem flat naora, we i save karem ol bigfala flat naura aot long wan rif eria.
- Putum wan minimam saes blong flat naura sapos komiuniti i gat gud helti namba blong bigfala saes. Setemap wan minimam saes we i hemi olsem nasonal minimam saes long komiuniti blong protektem namba blong flat naura long ol rif raon long komiuniti.
- Rotetem fising eria blong flat naura long defren rif. Wanwan rif eria i save open blong fising blong wan yia afta i klos blong tri yia blong alaoem ol pikinini blong naura i save gru i kam bikwan.
- Stopem fising long taem blong mekem pikinini. Plante long ol local fisa oli save gud long taem we naura i stap karem eg. Stopem fising long ol manis we naora i gat eg blong alaoem populesen blong flat naura i kambak plante.
- Aplaem limit long namba blong naura we oli save kasem. Setemap limit, olsem bag limit, o catch quota, we i stret blong ol fisa i save yusum blong kasem flat naura blong salem. Limit ia i save putum, olsem 10 flat naura nomo we wan man i save kasem long wan dei.

Ol smol flat naura we oli stap olsem smolmol larvae oli save flot long solwota blong klosap wan ful ia bifo oli save setel long ol rif we oli stap aot long wan long distens. Hemia i minim se wan komiuniti nomo i no save manejen gud fiseris blong flat naura blong hem. Wan gudfala wei hemi blong ol komiuniti we oli stap klosap long solwota oli wok tugeta mo agri blong aplaem sem manejen mesa.



Pacific  
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The Locally-Managed Marine Area (LMMA) Network



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