

A photograph of two fishermen on a small boat in Pare Bay. The fisherman in the foreground is crouching, wearing a dark jacket, green shorts, and a patterned head covering. He is looking towards the camera. The fisherman in the background is standing, wearing a grey t-shirt and dark shorts, and is holding a fishing net. The boat is on the water, and the background shows a coastal town and mountains under a blue sky with white clouds.

# Pare Bay Catch Composition

2023 – 2024



# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus *Portunus*:** 5<sup>th</sup> leg paddle like; 9 lateral spines, last lateral spine is enlarged  
*Dayung kaki ke-5 seperti; 9 buah duri samping, tulang belakang lateral terakhir membesar*

***P. pelagicus*** male - pria



***P. pelagicus*** female - perempuan



Males more patterned than females - Laki-laki lebih berpola daripada perempuan

4 teeth between eyes - memiliki 4 gigi di antara kedua matanya

3 spines on upper arms - 3 duri di lengan atas

***P. trituberculatus*** has 3 teeth between eyes - memiliki 3 gigi di antara kedua matanya

has 4 spines on upper arms - memiliki 4 duri di lengan atas

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## ***Portunus sanguinolentus***



3 large blood-colored spots on carapace

3 bintik besar berwarna darah pada karapas

# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus *Podophthalmus*:** 5<sup>th</sup> leg paddle like; 2 lateral spines; elongated eye stalks  
*Dayung kaki ke-5 seperti; 2 buah duri samping; tangkai mata memanjang*

## ***Podophthalmus vigil***



Carapace distinctly wider than long - Karapas jelas lebih lebar daripada panjang

Carapace green, legs purpleish - Karapas berwarna hijau, kaki berwarna lembayung/ungu

# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus *Thalamita*:** 5<sup>th</sup> leg paddle like; 5 lateral spines, last lateral spine not enlarged  
Dayung kaki ke-5 seperti; 5 buah duri samping, tulang belakang samping terakhir tidak membesar

## ***T. crenata***

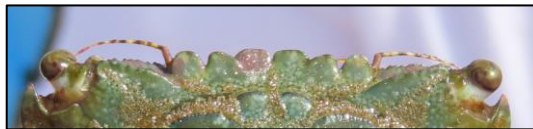


Rounded frontal teeth  
Gigi depan membulat

Blue on claw fingers  
Biru di jari cakar

Leg tips dark  
Ujung kaki gelap

## ***T. danae***



Irregular frontal teeth  
gigi depan tidak beraturan

Dark claw fingers  
Jari cakar gelap

Inner arms orange  
oranye lengan bagian dalam



Swimming leg grooved  
kaki renang beralur

Leg tips light  
Ujung kaki ringan

Antennas banded  
Antena terikat



# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus *Thalamita*:** 5<sup>th</sup> leg paddle like; 5 lateral spines, last lateral spine not enlarged  
*Dayung kaki ke-5 seperti; 5 buah duri samping, tulang belakang samping terakhir tidak membesar*

***T. spinimana***

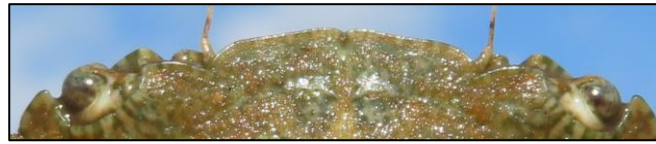


Squared Frontal teeth  
Gigi depan persegi

Red/Orange color  
Warna Merah/Oranye

Strong spines on claws  
Duri yang kuat pada cakar

***T. sima***

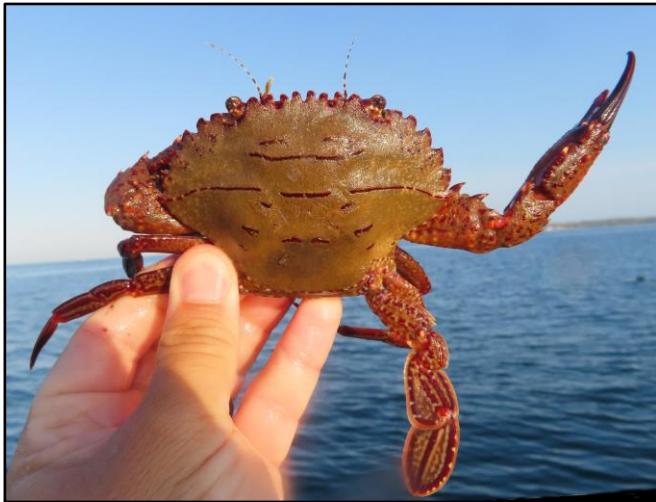


No frontal teeth  
Tidak ada gigi depan

# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus: *Charybdis*:** 5<sup>th</sup> leg paddle like; 5 lateral spines, eyes closer set than *Thalamita*  
Dayung kaki ke-5 seperti; 5 buah duri samping, mata lebih dekat daripada *Thalamita*

## *Charybdis natator*



Spotted appendages  
Pelengkap berbintik

Banded antennae - Antena terikat

Inner arms blue  
lengan bagian dalam berwarna biru

Carpae ridged - karapas bergerigi

## *Charybdis hellerii*

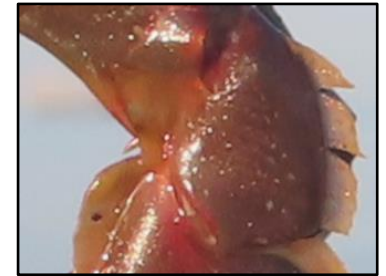


Dark legs - kaki gelap

Solid antennae - Antena padat

Dark claws with white tips  
Cakar gelap dengan ujung putih

Carapace smoother - Karapas lebih halus



Small spine on  
swimming leg  
Tulang belakang  
kecil di kaki renang

# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus: *Charybdis*:** 5<sup>th</sup> leg paddle like; 5 lateral spines, eyes closer set than *Thalamita*  
Dayung kaki ke-5 seperti; 5 buah duri samping, mata lebih dekat daripada *Thalamita*

## *Charybdis annulata*



Banded antennae - Antena terikat

Banded legs - Kaki terikat

Blue on claw finger - Biru di jari cakar



# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus: *Charybdis*:** 5<sup>th</sup> leg paddle like; 5 lateral spines, eyes closer set than *Thalamita*  
Dayung kaki ke-5 seperti; 5 buah duri samping, mata lebih dekat daripada *Thalamita*

## ***Charybdis anisodon***



Enlarged lateral spines - Duri lateral membesar

Light coloration, especially on claws and abdomen  
Pewarnaan terang, terutama pada cakar dan perut

# Crabs of Pare Bay - Family Portunidae (Swimming Crabs)

**Genus: *Lissocarcinus*:** 5<sup>th</sup> leg paddle like, pointed; 5 lateral spines; small size  
Dayung kaki ke-5 seperti, runcing; 5 buah duri samping; ukuran kecil

## *Lissocarcinus polyboides*



Frontal margin pointed with deep notch - Margin depan runcing dengan takik yang dalam

Light colored - Berwarna terang -- Arrow shaped - Berbentuk panah

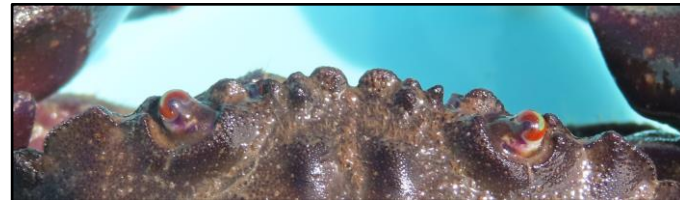
Maybe associated with starfish - Mungkin terkait dengan bintang laut

# Crabs of Pare Bay - Family Menippidae (Stone Crabs)

## *Myomenippe hardwickii* – Thunder Crab



Green eyes ringed in red  
Mata hijau berlingkar merah



No 5<sup>th</sup> Swimming Leg - Kaki Renang No.5 -- Color variable - variabel warna

Stout body, robust claws, dark claw fingers - Tubuh kekar, cakar yang kuat, dark claw fingers

*Menippe rumphii* has all red eyes - memiliki semua mata merah



# Crabs of Pare Bay - Family Xanthidae (Rubble Crabs)

**Genus: *Atergatis*:** No swimming legs; oval carapace; no frontal/lateral teeth; Robust claws  
Tidak ada kaki renang; Karapas oval; Tidak ada gigi depan/samping; Cakar yang kuat

## *Atergatis integerrimus*



Red Color  
Warna merah

White colored pitting  
Lubang berwarna putih

## *Atergatis floridus*



Green/Brown color  
Warna hijau/cokelat

White lace like pattern  
Pola seperti renda putih

**Xanthid crabs are toxic - Kepiting Xanthid beracun**

# Crabs of Pare Bay - Family Oziidae (Forceps Crabs)

## *Ozius guttatus* - Spotted-belly Forceps Crab



Dark oval carapace with shallow teeth - Karapas oval halus dengan gigi dangkal

Dark eyes with white spots - Mata gelap dengan bintik-bintik putih

No 5<sup>th</sup> Swimming Leg - Kaki Renang No.5 -- Claw fingers not dark - Cakar jari tidak gelap

Minor claw less robust - Cakar kecil kurang kuat

# Crabs of Pare Bay - Family Oziidae (Forceps Crabs)

## *Epixanthus dentatus*



Dark carapace with light spots - Karapas gelap dengan bintik-bintik terang

Lateral teeth pronounced - Gigi lateral diucapkan -- No frontal teeth - Tidak ada gigi depan

No 5<sup>th</sup> Swimming Leg - Kaki Renang No.5 -- Claw fingers not dark - Cakar jari tidak gelap

Red eyes – Mata merah -- Minor claw very slender- Cakar kecil sangat ramping



# Crabs of Pare Bay – Hermit Crabs

***Dardanus*  
*deformis & pedunculatus***



Hermit Crab 1

Large pale major claw  
Cakar besar berwarna pucat

Can have anemone  
in or on shell  
dapat memiliki  
anemon di dalam  
atau di cangkang

***Clibanarius longitarsus***



Hermit Crab 2

Small claws - Cakar kecil  
Green Color - Warna hijau  
Hairy - Berbulu

***Dardanus megistos***



Hermit Crab 3

Small claws - Cakar kecil  
Red Color - Warna merah  
White spots - Bintik putih  
Hairy - Berbulu

# Crabs of Pare Bay – Hermit Crabs

## *Dardanus scutellatus*



Hermit Crab 4

Blue eyes - Mata biru

Pale eyestalks - Kelopak mata pucat

Banded legs - Kaki diikat

## *Clibanarius* sp.



Hermit Crab 5

Yellow/Black eyes - Mata kuning/hitam

Thin stripes on legs - Garis-garis tipis di kaki

Tubercles on claws - tuberkel di cakar

# Fish of Pare Bay

Filefish



***Monacanthus  
chinensis***

***Acreichthys  
tomentosus***

Rabbitfish



***Siganus  
punctatus***

Cardinalfish



***Fowleria variegata***

Butterflyfish



***Parachaetodon  
ocellatus***

Moray Eel



***Gymnothorax  
pseudothyrsoides***



# Fish of Pare Bay

Puffer



***Arothron hispidus***



***Arothron  
manilensis***



***Arothron  
immaculatus***



***Arothron reticularis***

# Fish of Pare Bay

Puffer



***Chelonodon patoca***



***Lagocephalus spadiceus***



***Canthigaster* sp.**

# Fish of Pare Bay

Damselfish



***Pomacentrus tripunctatus***

Fangtooth Blenny



***Petroscirtes* sp.**

Grunter



***Terapon theraps***

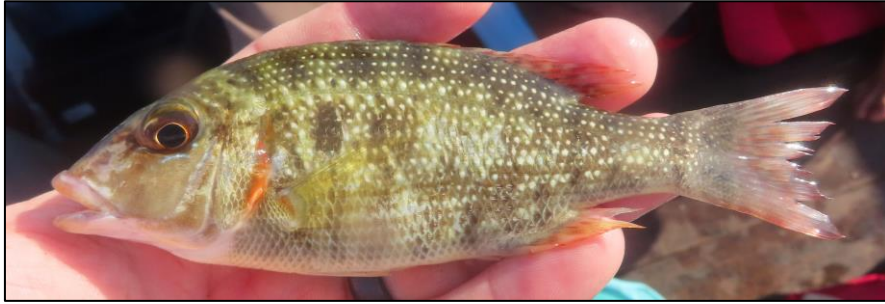


***Terapon jarbua***



# Fish of Pare Bay

Emperor



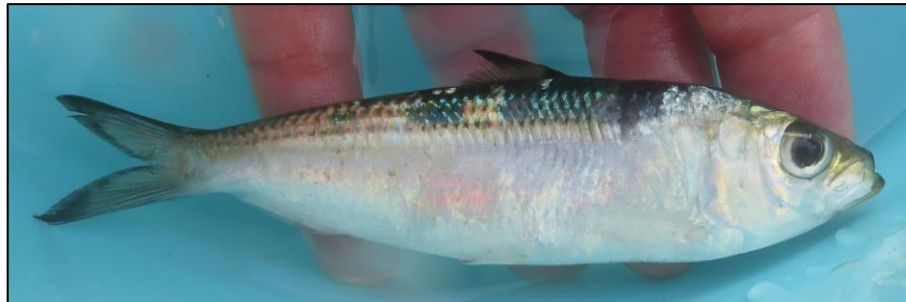
***Lethrinus rubrioperculatus***

False Snapper



***Scolopsis ciliata***

Herring



***Sardinella* sp.**

# Fish of Pare Bay

Eeltail Catfish



**Plotosidae**

Flathead



***Cymbacephalus  
nematophthalmus***

# Fish of Pare Bay

Seahorse



***Hippocampus  
barburi***

Scorpionfish



***Liocranium pleurostigma***

Ponyfish



***Eubleekeria sp.***



# Snails of Pare Bay

**Muricidae**



**Snail 1**

Small, dark  
kecil, gelap

**Strombidae**

*Canarium urceus*



**Snail 2**

Slender  
Ramping

High spire  
Menara tinggi

**Cerithiidae**



**Snail 4**

Small, whorled  
kecil, bersisik

**Strombidae**

*Conomurex luhuanus*



**Snail 6**

Long opening  
bukaan panjang

Low spire  
Menara rendah

# Snails of Pare Bay

Nassariidae?



Snail 3

Dark, smooth  
gelap, halus

Nassariidae?



Snail 5

Grayish  
Keabu-abuan

Aperature smooth or serrated  
Pembukaan halus atau bergerigi

Murcidae  
*Haustellum haustellum*



Snail 7

Siphonal canal elongate  
Saluran siphonal memanjang

**Snail 3 & 5 likely same species - Siput 3 & 5 kemungkinan besar spesiesnya sama**

# Other Critters of Pare Bay

Starfish



***Protoreaster  
nodosus***

***Astropecten* sp.**

Heart Urchin

Sand Dollar



***Maretia planulata***



# Other Critters of Pare Bay

Mantis Shrimp



*Erugosquilla woodmasoni*

Bristleworm



Sea Cucumber



*Synaptula/Opheodesoma?*

*Opheodesoma*

# Other Critters of Pare Bay

Octopus



***Amphioctopus fangsiao***