



FUNDACIÓN CORCOVADO

PROGRAMA DE CONSERVACION DE TORTUGAS MARINAS



The Program



Turtle Biology



Methodology



Red de Conservación
de Tortugas del Pacífico Sur



COTORCO



The Program

Contents:

- Who are we?
- What do we do?
- How are we organized?
- Role of the volunteer
- Study area
- Accommodation
- Safety and security
- Work plan
- Fun stuff



Who are we?



We are a grass-roots non-profit organization that promotes the support of protected areas, environmental education, responsible tourism and the participation of local communities in the sustainable use of natural resources in the South Pacific of Costa Rica.

What do we do?

INFORMACION TURISTICA
PAJE Y ALIMENTACION
RURAL COMUNITARIO
TORTUGAS

FUNDACION CORCOVADO

SOUVENIRS

CRAFTSWOMEN

DRAKE BAY

FUNDACION

CORCOVADO



Sea Turtle Conservation
Environmental Education and Community Resources Management
Sustainable Tourism and Rural Community-based Tourism
Support of the Protected Areas of ACOSA

How are we organized?



Rob James
Program Director



Aida Garcia
Coordinator



Elías Fernández
Coordinator

Thomas Koblinger
Research Assistant

International
Volunteers

Eva Horcajo
Research Assistant

Students and
Visitors



How are we organized?



Álvaro Amo
Program Director



Helena Pita
Coordinator

Gerard Garcia
Research Assistant

International
Volunteers

Students and
Visitors



How are we organized?

DRAKE BAY
BACKPACKERS



Marvin Alvarez
Hostel Manager



Kelly Reyes
Sales Coordinator

Hostel Family
Viriam y Eitan

International
Volunteers

Tourists!

How are we organized?

DRAKE BAY
BACKPACKERS

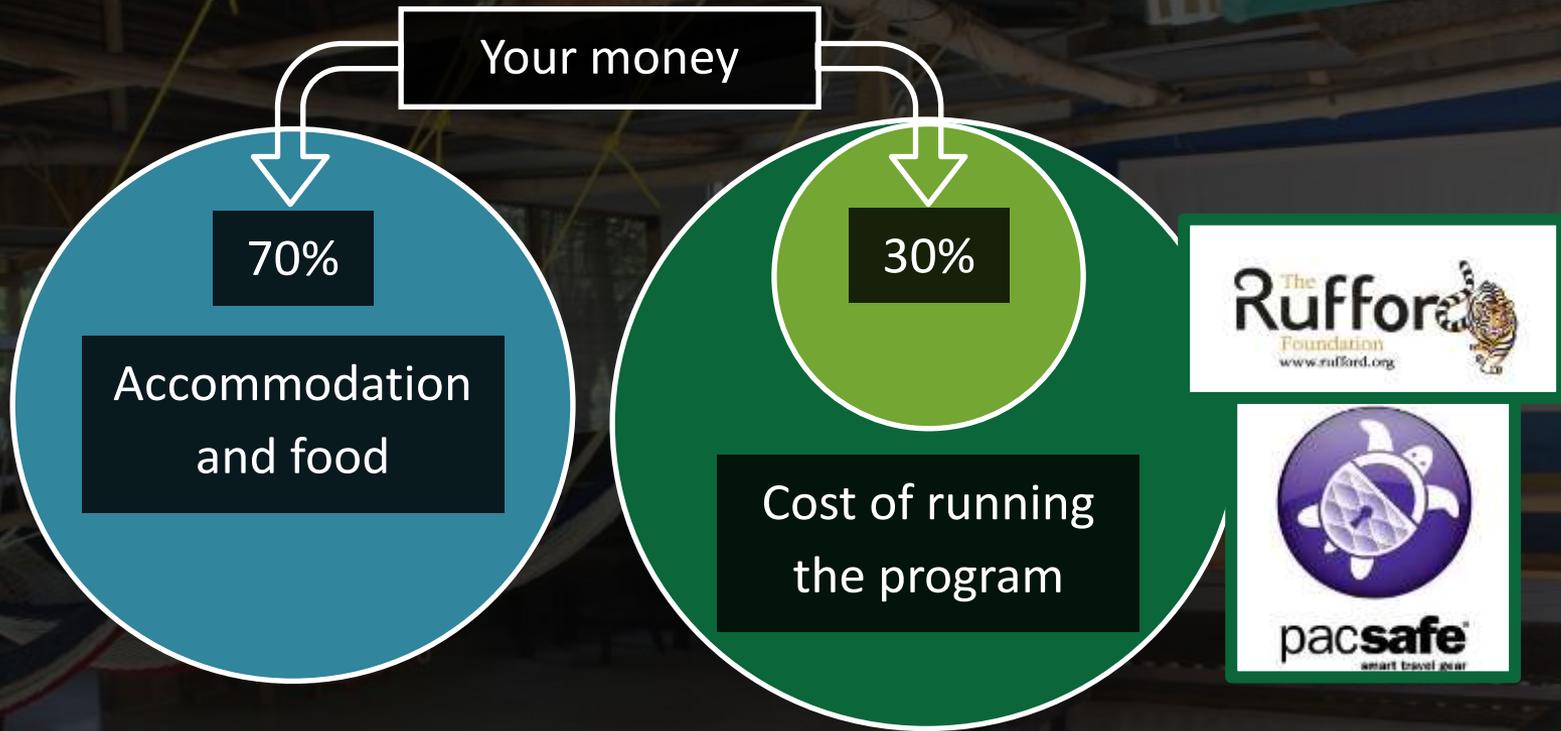


Responsible Tourism



The hostel is the headquarters of the turtle program, but it is also a non-profit hostel that raises funds for the Foundation's environmental programs through the promotion of responsible tourism.

Where does your money go?



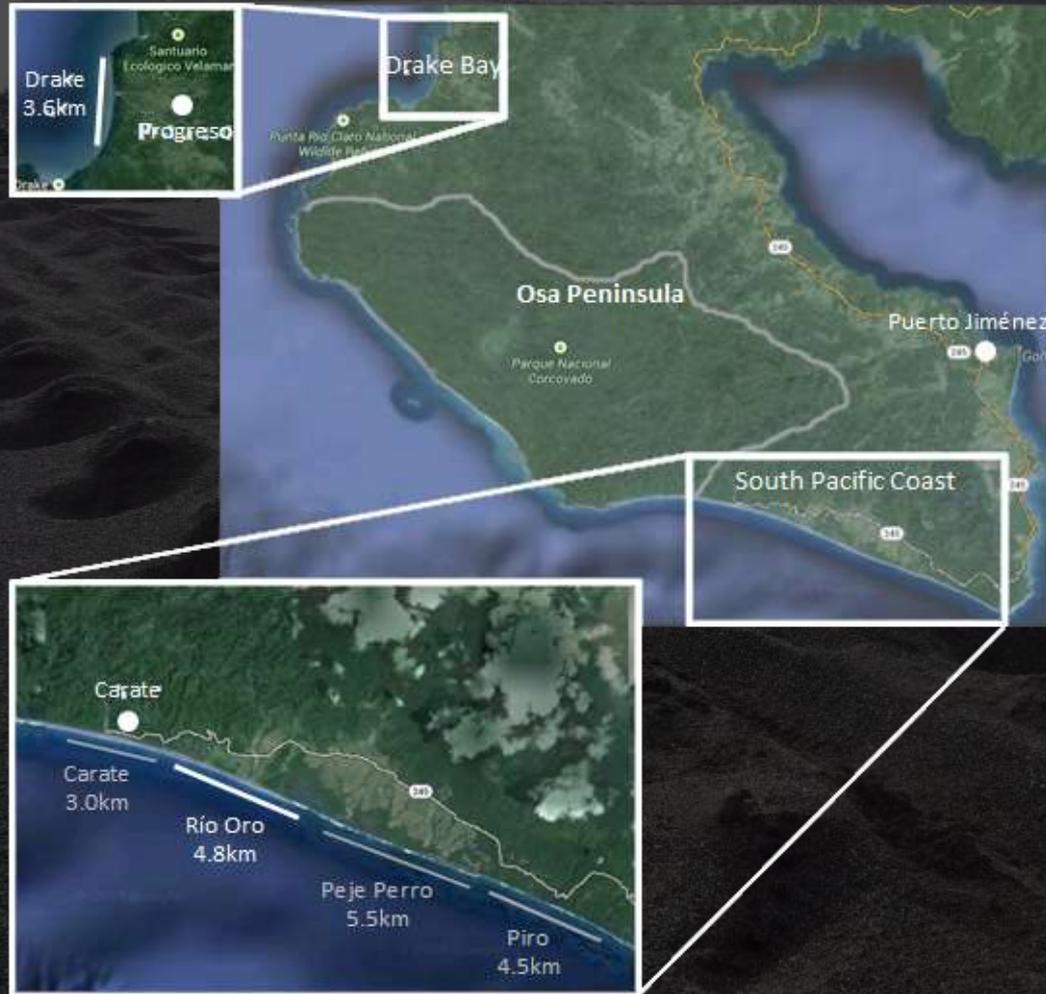
The Turtle Program does not make any profit from volunteers. Every year we have to find grants and donations to cover the cost of running the program. Anything left over has to be re-invested in the program.

Program objective



To promote the conservation and recuperation of the population of sea turtles that nests in the Osa Peninsula, through responsible tourism and the participation of local communities in the sustainable use of their natural resources.

Where do we work?



ACOTPRO – Drake Bay



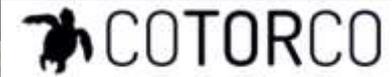
In 2009, an association of conservationists was established in the village of El Progreso: ACOTPRO. Today, there are more than 10 members contracted as paid patrol leaders. ACOTPRO coordinates the night patrols and the hatchery work and has successfully managed a homestay network since 2010.

horseback & bike tour

rainforest experience

adventures

COTORCO – Río Oro



In 2009, an association of conservationists was established in the villages of Carate y Río Oro: COTORCO. COTORCO coordinates the night patrols and the hatchery work in Carate and collaborates with our program and those of LAST, Frontier and Osa Conservation.

Role of the volunteer



You will help prevent the poaching of turtle eggs, record scientific data, and raise awareness within the local community as well as tourists regarding the importance of conserving natural resources. But most important of all is that you make the program possible. Thank you very much for coming! **You are a true eco-tourist!**

Role of the volunteer

Activities include:

- Morning patrol (censo)
- Night patrols
- Relocation of nests
- Work shifts in the hatchery
- Liberation of hatchlings
- Excavation of hatched nests
- Environmental education
- Work at the hostel
- Work with community projects



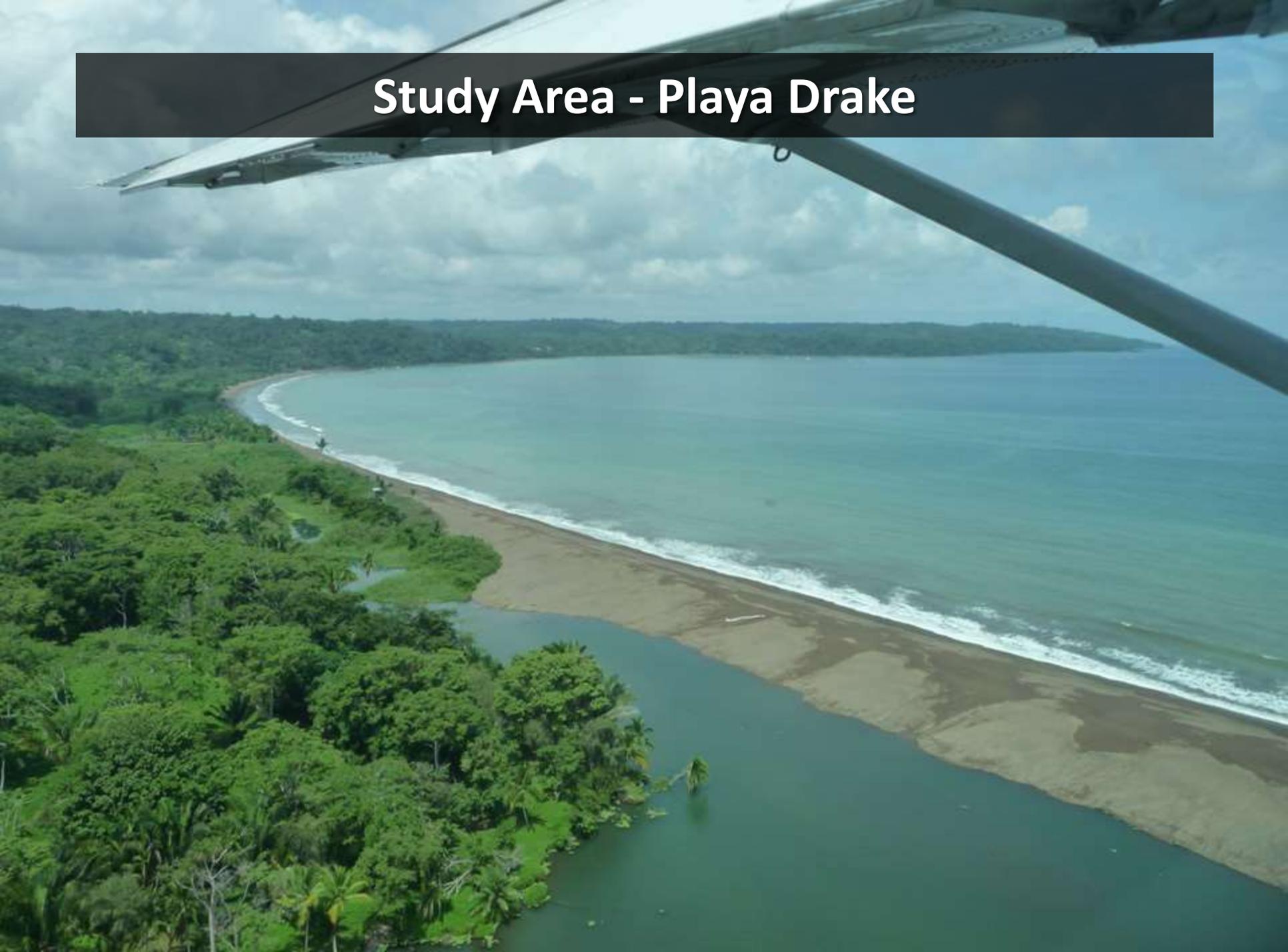
Role of the volunteer

Expectations:

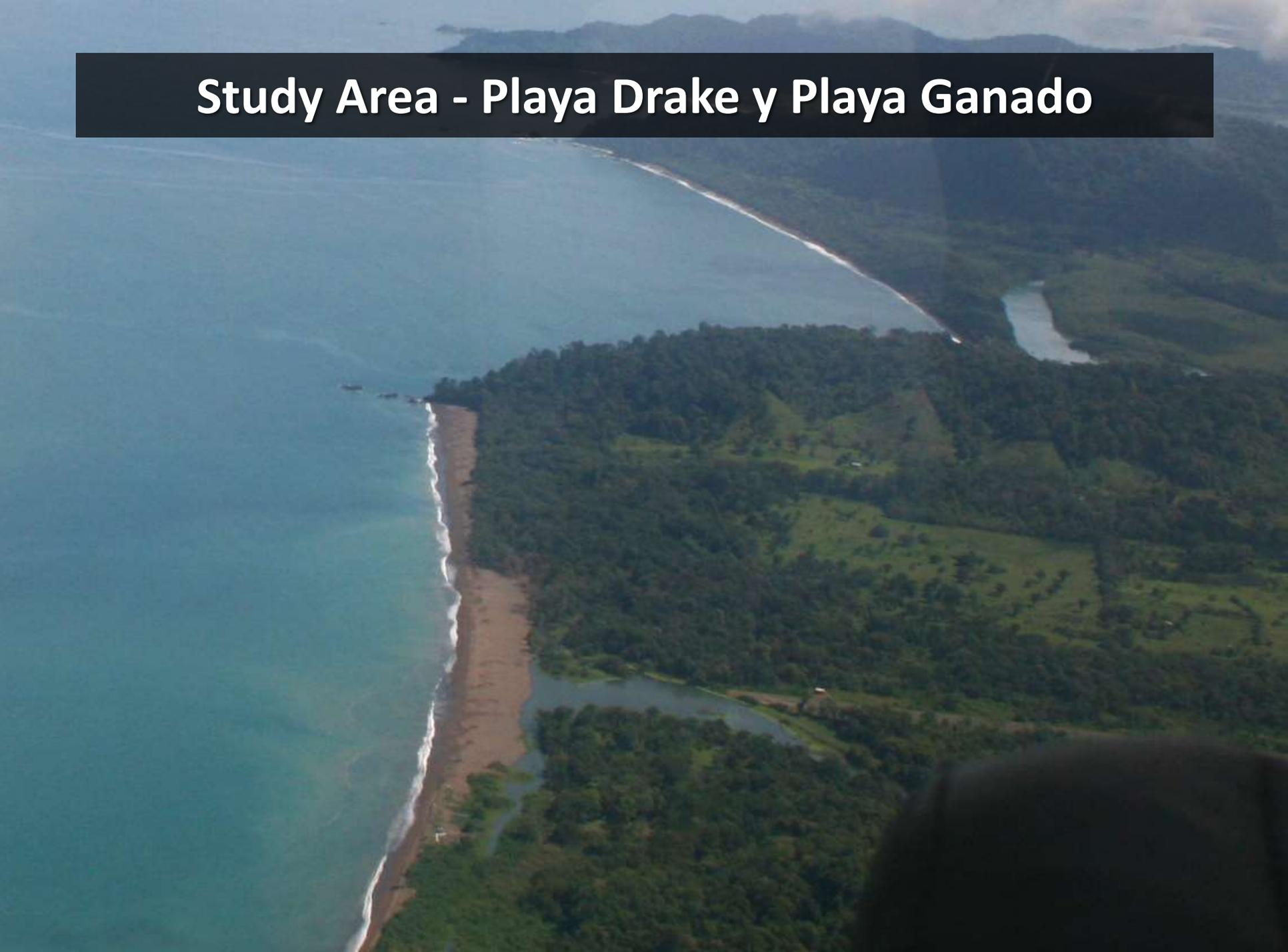
- Complete tasks as instructed with due diligence and care
- Make and learn from mistakes
- Respect the goals of the program and the community
- Participate actively in the creation of proposals and implementation of work planned by the group of volunteers



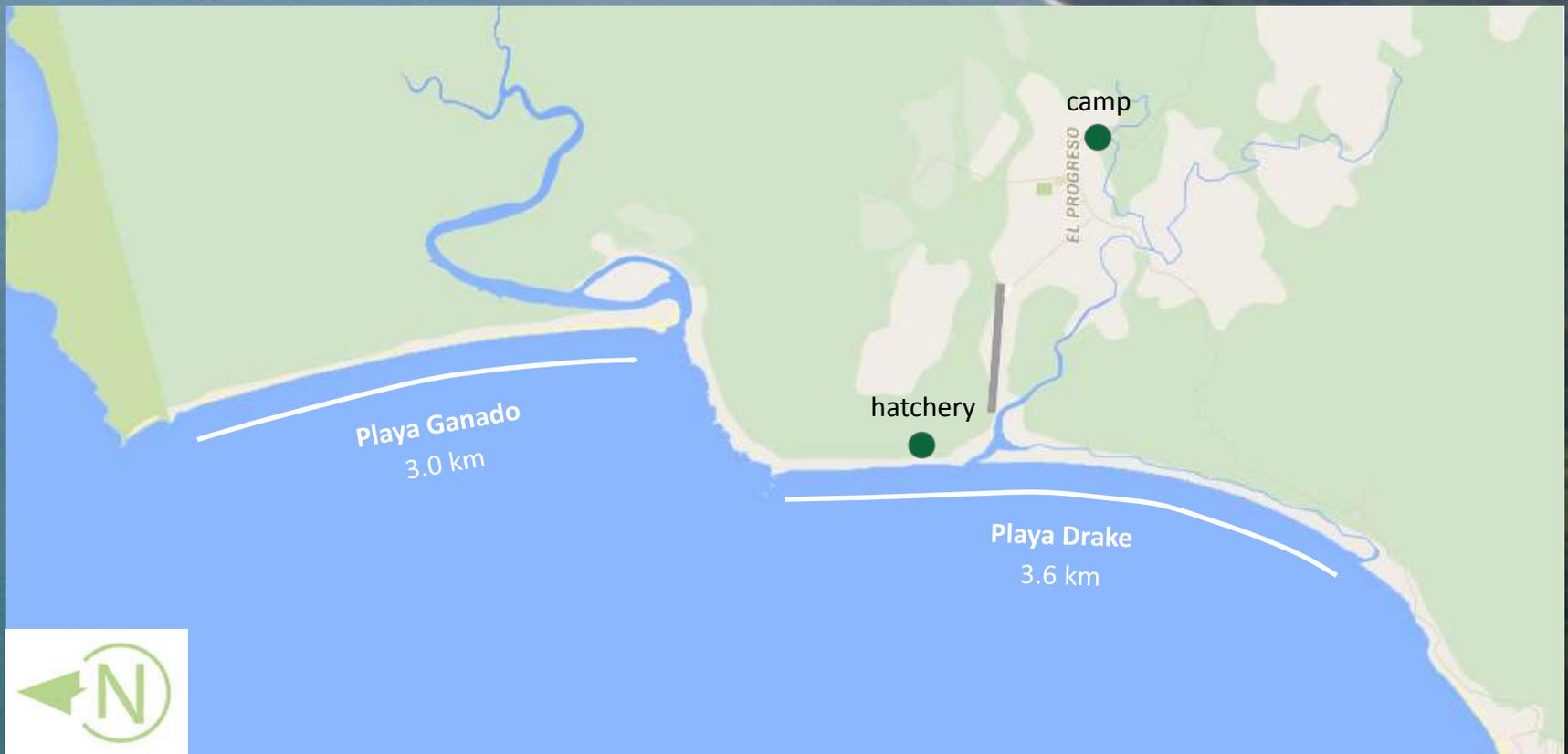
Study Area - Playa Drake



Study Area - Playa Drake y Playa Ganado



Study Area - Playa Drake y Playa Ganado



Study Area - Playa Río Oro



Study Area - Playa Río Oro



Accommodation in Drake - Hostel

- Generally all volunteers stay at the hostel for the first 3 nights
- Volunteers can request to remain there if there is space

Please:

- Keep the hostel facilities clean and tidy and your room smelling nice
- Respect and participate in the cleaning and cooking roster
- Respect your fellow volunteers and tourists by not making noise when they are sleeping

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BACKPACKERS



Accommodation in Drake - Homestay

- We highly recommend that you stay in a homestay house – it is an unforgettable experience

Please:

- Keep your room and the bathroom clean and tidy
- Respect the host family and any house rules. Give them notice about your work schedule and always tell them where you are going if you are heading out. They will worry about you 😊



Accommodation in Drake - Homestay

- Please ask for permission from your host family if you want to invite other volunteers into your homestay
- It is not permitted for members of the opposite sex to be in your room at any time whatsoever



Accommodation in Drake - Homestay



Accommodation in Río Oro - Hacienda

- We rent a property called the Hacienda Río Oro, a 'glamping' style eco-lodge!

Please:

- Keep your tent and the bathroom clean and tidy
- Respect the house rules
- Respect your fellow volunteers by not making noise when they are sleeping
- It is not permitted to invite anyone into the Hacienda – only volunteers allowed



Safety and security

Wild Animals:

- Ants!
- Cockroaches
- Mosquitos
- Dogs
- Crocodiles

Please inform somebody immediately if you see:

- Scorpions
- Snakes
- Drop Bears



Safety and security

Safety on the beach and runway:

- Runway
- Lagoon
- Trail and bridge
- Lightening storms
- High tides and debris
- Crossing the mouths of rivers
- Strangers
- Valuables



Safety and security

Safety and security rules:

- Always use a flashlight
- Always walk in groups of 2+ people at night
- Always listen to safety instructions from locals
- Never take valuables to the beach
- Don't take unnecessary risks
- Take care with tools
- Be responsible with alcohol and your interactions with locals



Fun stuff

Make the most of the hostel!

- The hostel offers tours to the Corcovado National Park, snorkeling and diving at Caño, Island, community-based tours, canopy tour, and much more!
- Check out the posters at the hostel for tour options
- Also there are many public places to visit and free activities that you can do
- Ask us for ideas!



DRAKE BAY
BACKPACKERS



Your experience



It's super important that you enjoy your time at the program! If at any time you do not feel 100% happy about any aspect of the program (work, homestay, other volunteers etc) – let us know!

We can solve almost any problem and we are here to help.

Welcome to the program!



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Turtle Biology

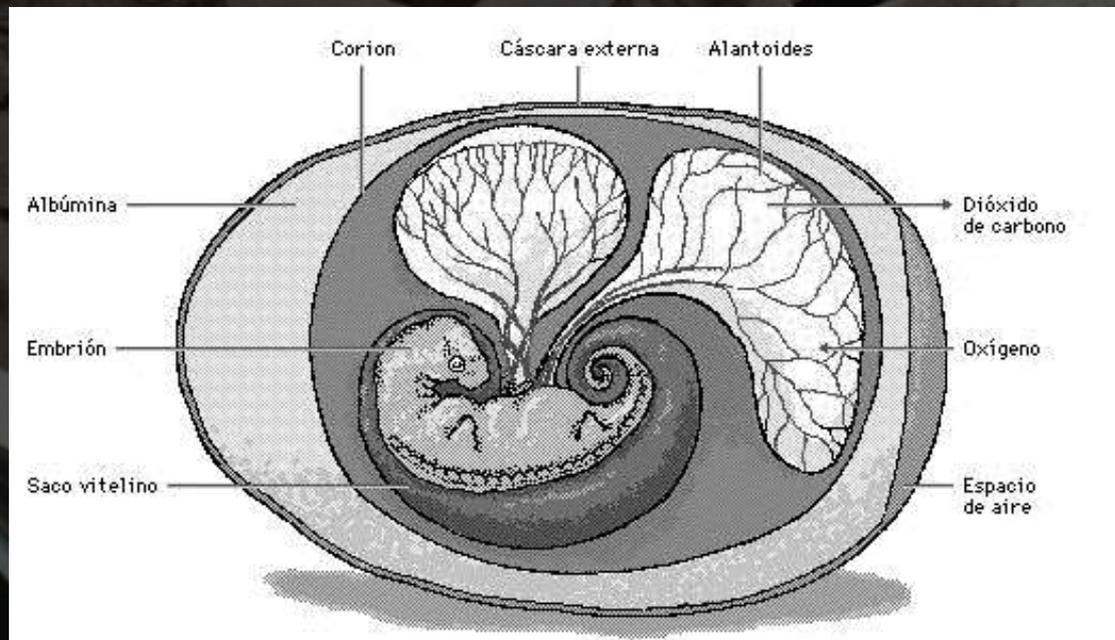
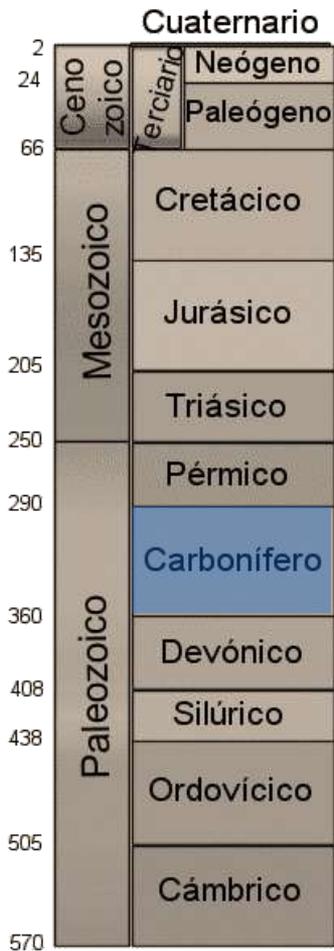
Contents:

- Evolution
- Sea turtles, fresh water turtles and tortoises
- Life cycle
- Nesting behavior
- Sea turtles species
- Threats
- Good and bad news
- What can we do?



Evolution

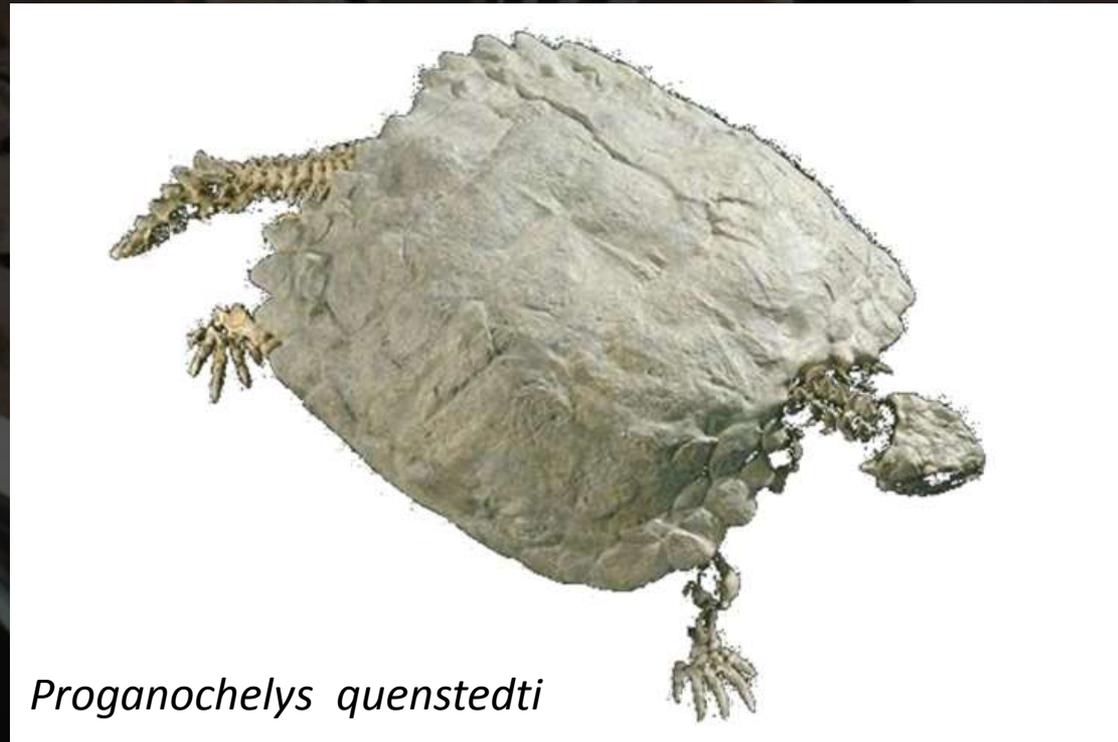
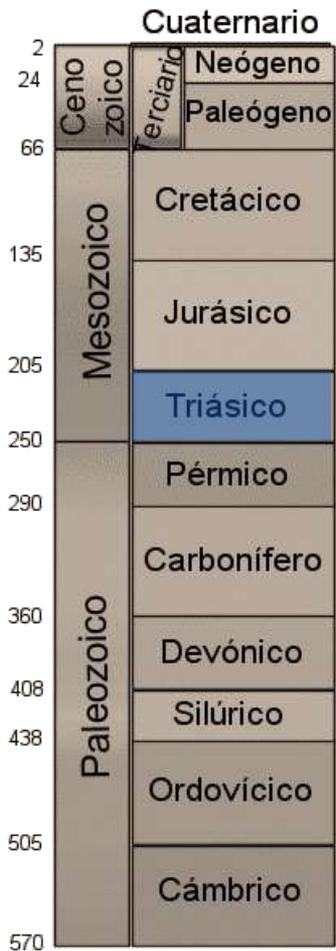
Class: Reptilia



Carboniferous (315ma)

Evolution

Order: Testunides

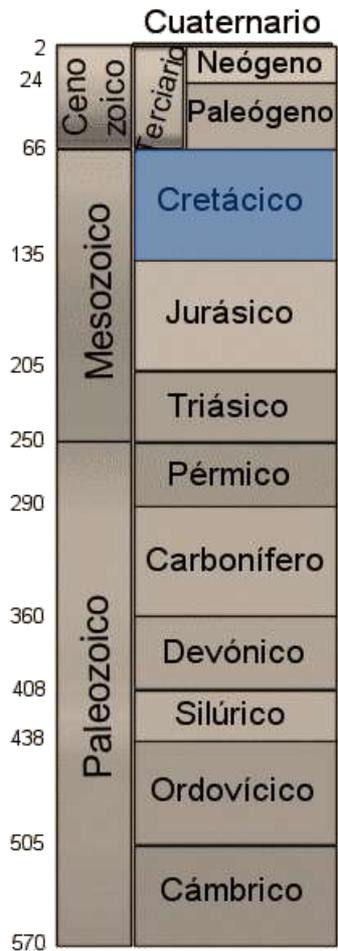


Proganochelys quenstedti

Triassic (210ma)

Evolution

Sub-order: Cryptodira

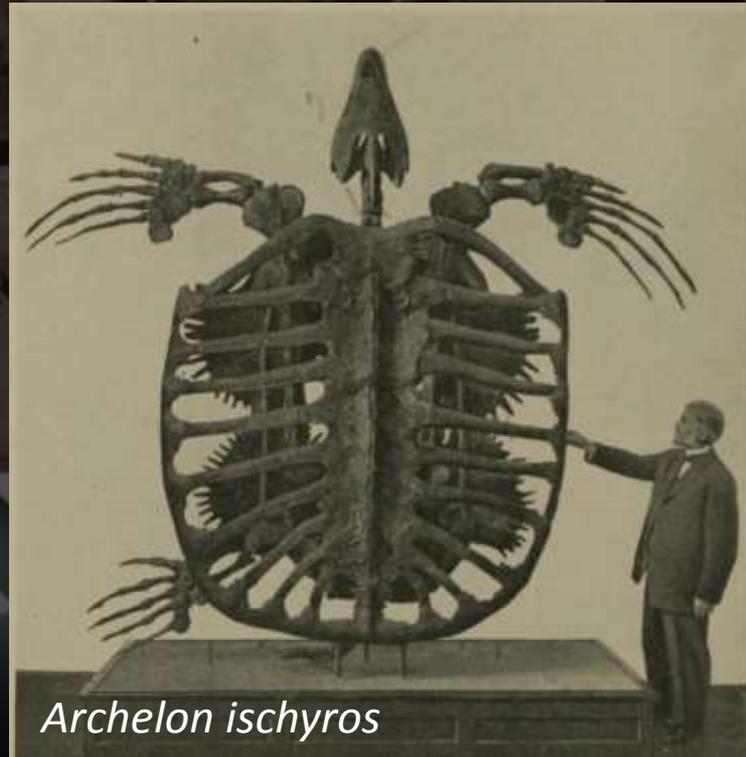
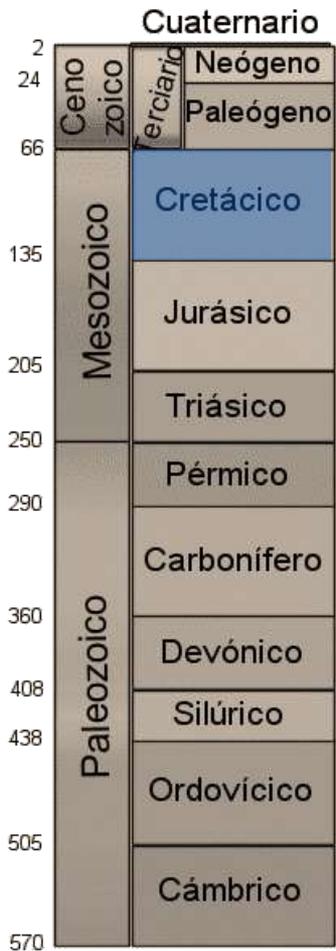


Protostega gigas

Cretaceous (70ma)

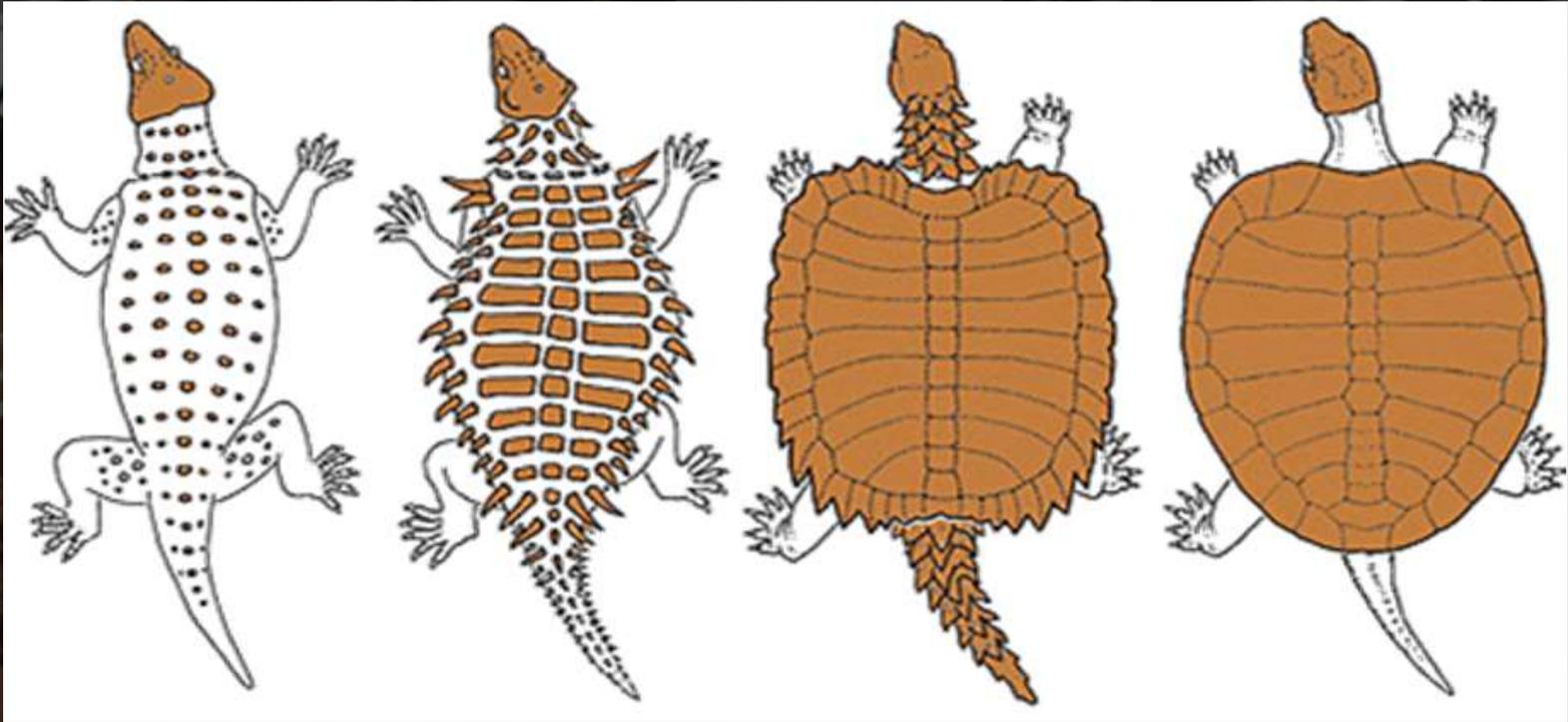
Evolution

Sub-order: Cryptodira



Cretaceous (70ma)

Evolution



Evolution



Sea turtles, fresh water turtles and tortoises



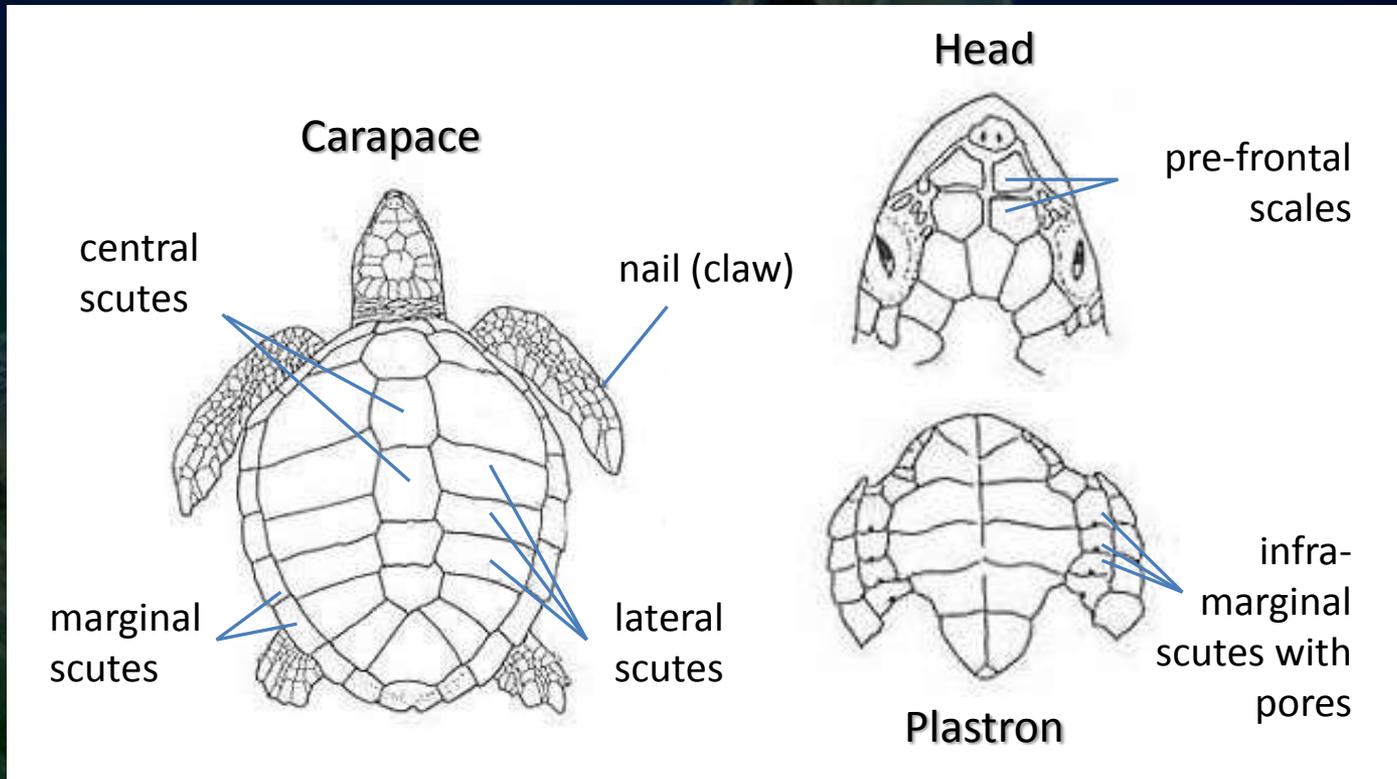
Sea turtles

Sea turtle characteristics:

- Hydrodynamic body shape, light and flat
- Extremities in the form of flippers, large flippers allow for speed in water, but retraction into shell impossible
- Large head with hornlike beak and no teeth
- Salt glands to excrete salt from bodily fluids



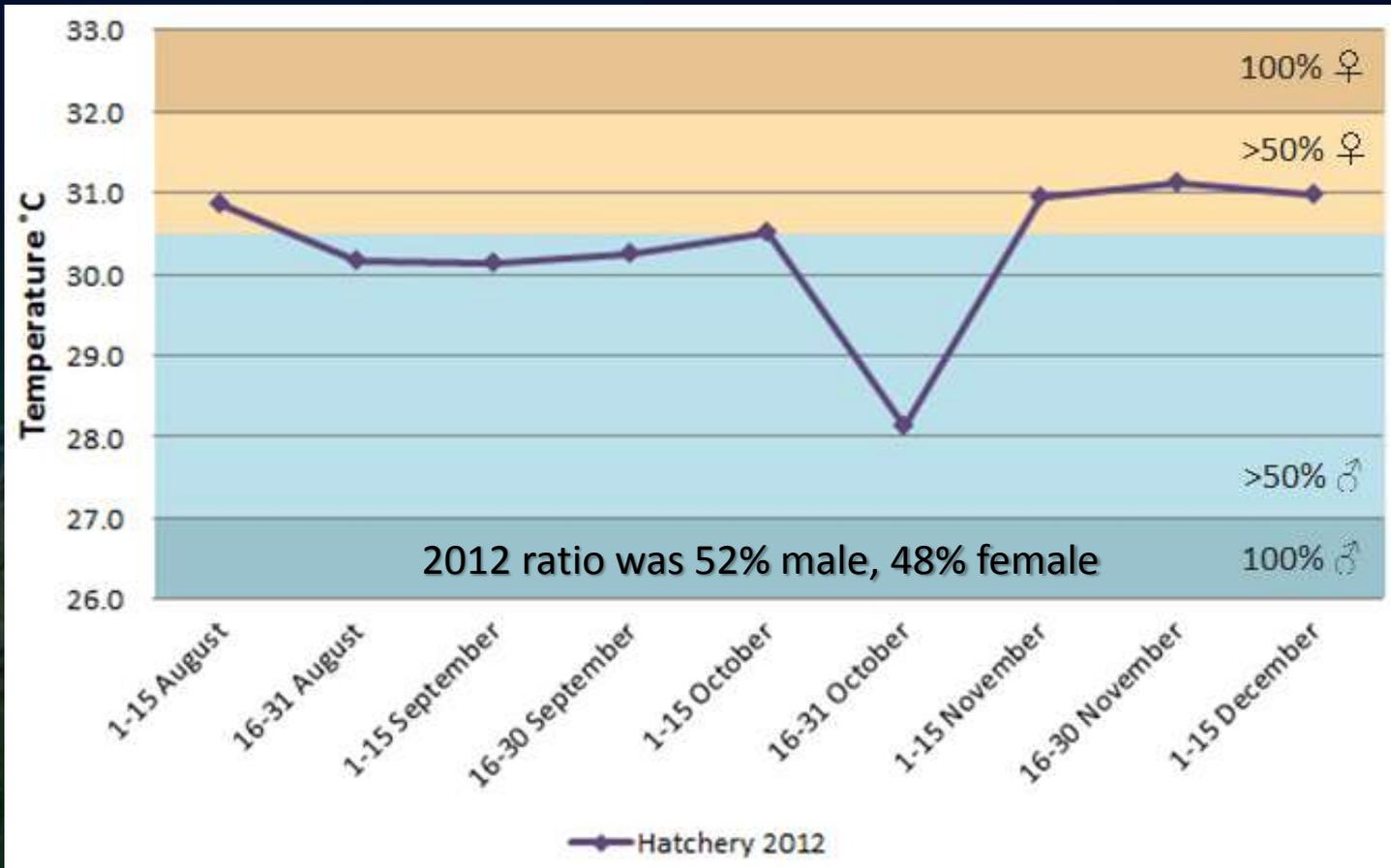
Sea turtle anatomy



Temperature-dependent sex determination (TSD)

- Common system in reptiles, such as alligators and turtles
- Does not require sex chromosomes
- All seven species of sea turtle exhibit TSD (Pattern 1A)
- Thermo-sensitive period (around third way through incubation)
- Pivotal temp produces 50:50 male:female ratio
- Eggs in middle of nest are warmer, those on outside are cooler
- Olive Ridley sea turtle (Pacific coast Costa Rica):
 - $<27^{\circ}\text{C}$ = 100% male
 - $27^{\circ}\text{C} - 30.5^{\circ}\text{C}$ = $>50\%$ male
 - 30.5°C = Pivotal temp = 50% female, 50% male
 - $30.5^{\circ}\text{C} - 32^{\circ}\text{C}$ = $>50\%$ female
 - $>32^{\circ}\text{C}$ = 100% female

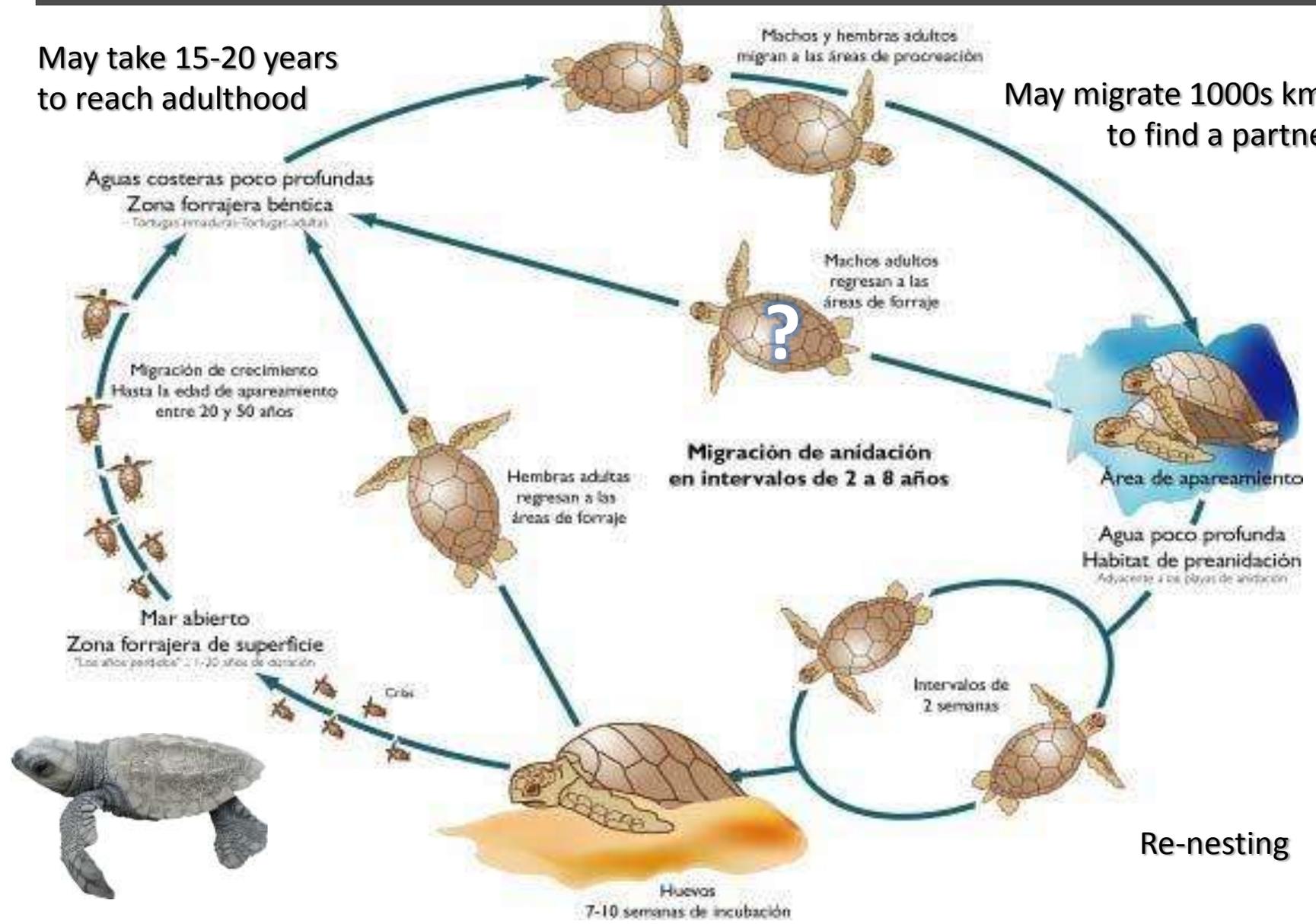
Temperature-dependent sex determination (TSD)



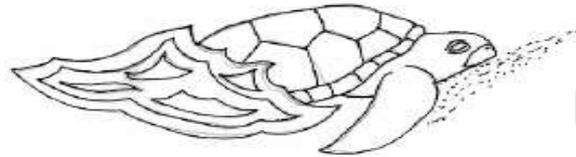
Life cycle of sea turtles

May take 15-20 years to reach adulthood

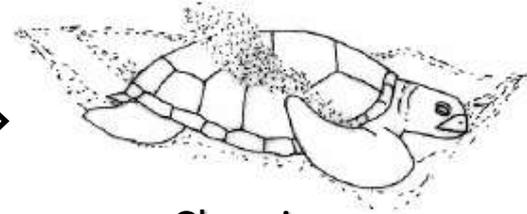
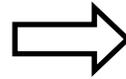
May migrate 1000s kms to find a partner



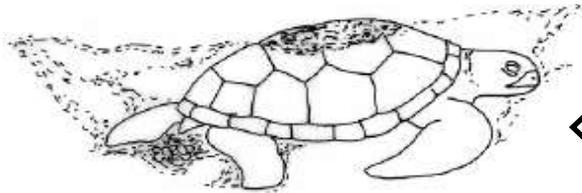
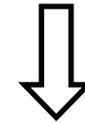
Nesting behavior



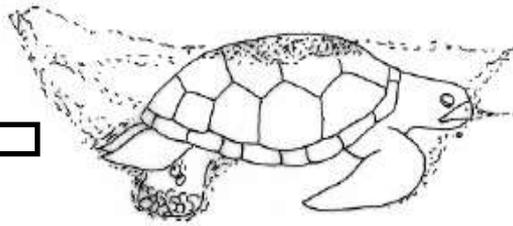
Emerging from the sea



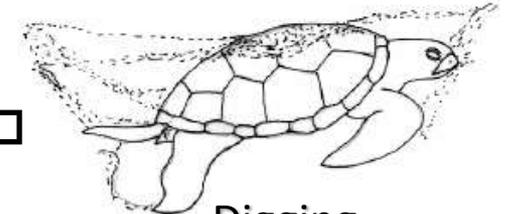
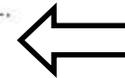
Cleaning



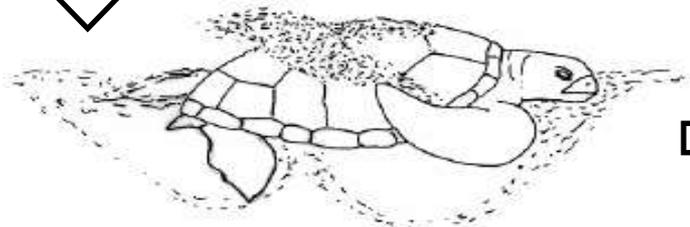
Covering



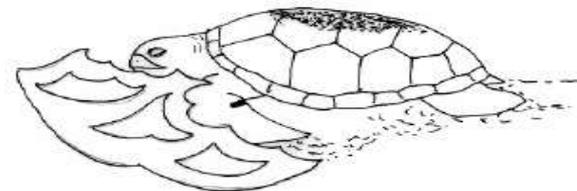
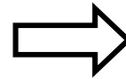
Laying eggs



Digging



Camouflaging

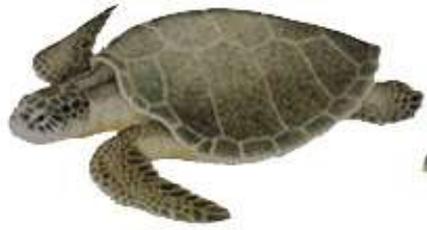


Returning to the sea

Nesting behavior



Sea turtle species



Kemp's Ridley



Hawksbill



Green



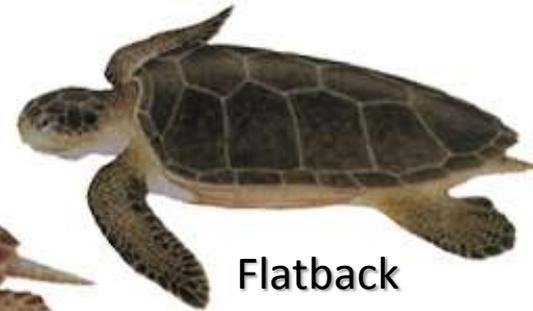
Olive Ridley



Leatherback

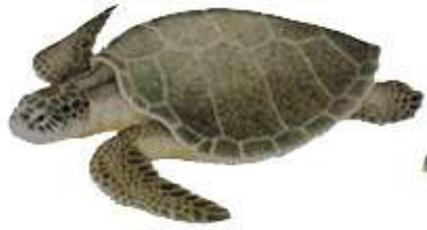


Loggerhead



Flatback

Sea turtle species



Kemp's Ridley



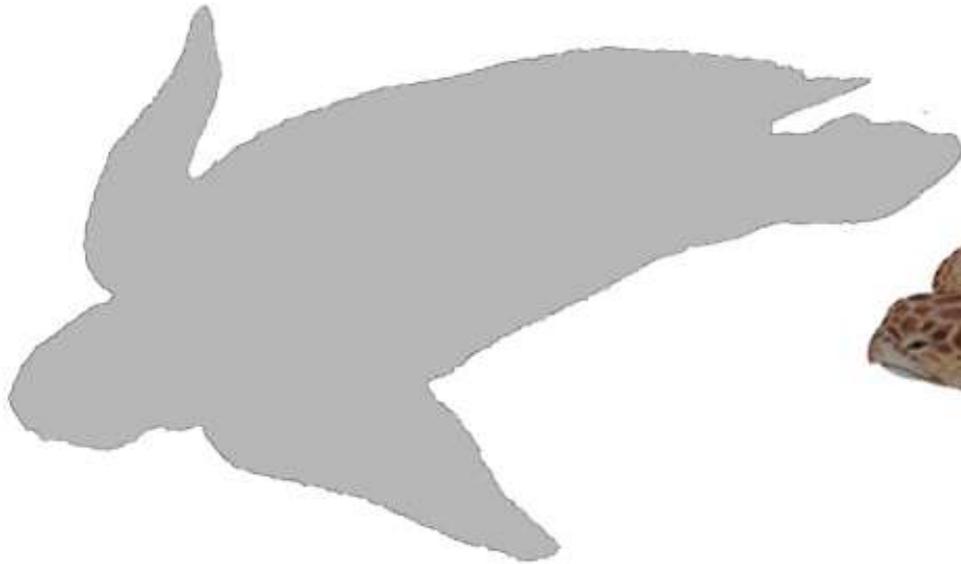
Hawksbill



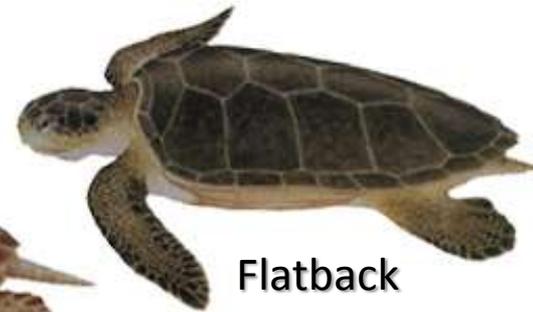
Green



Olive Ridley



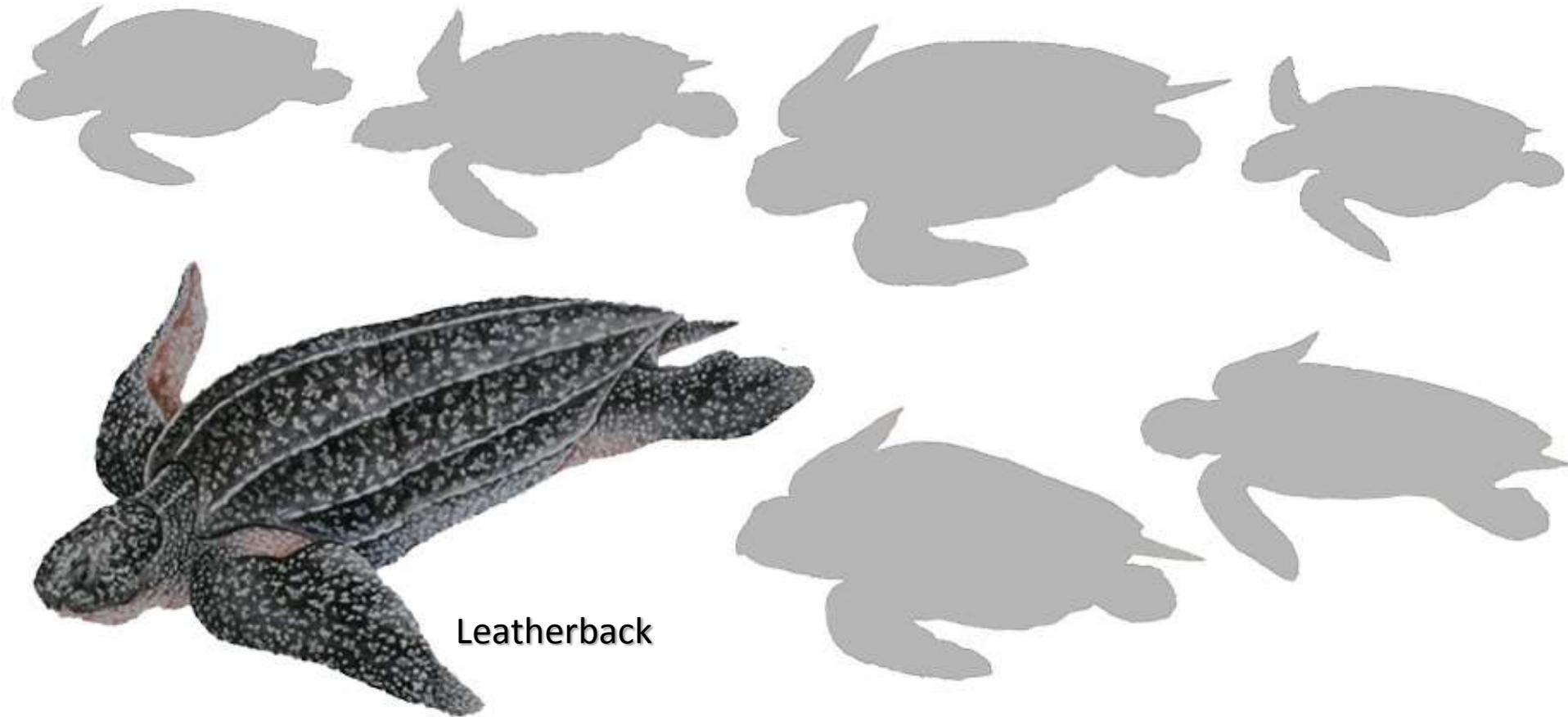
Loggerhead



Flatback

Familia Cheloniidae

Sea turtle species

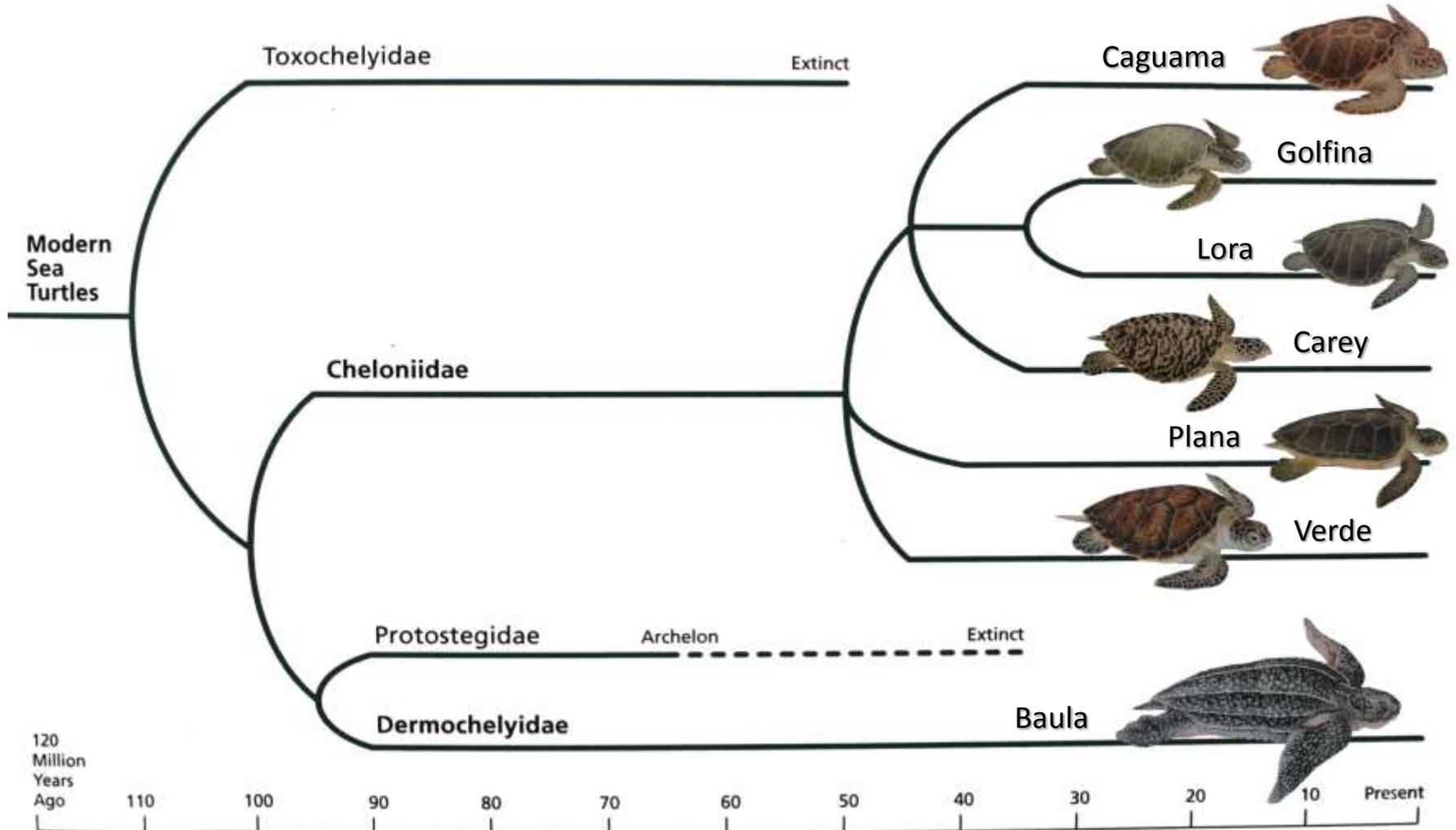


Leatherback

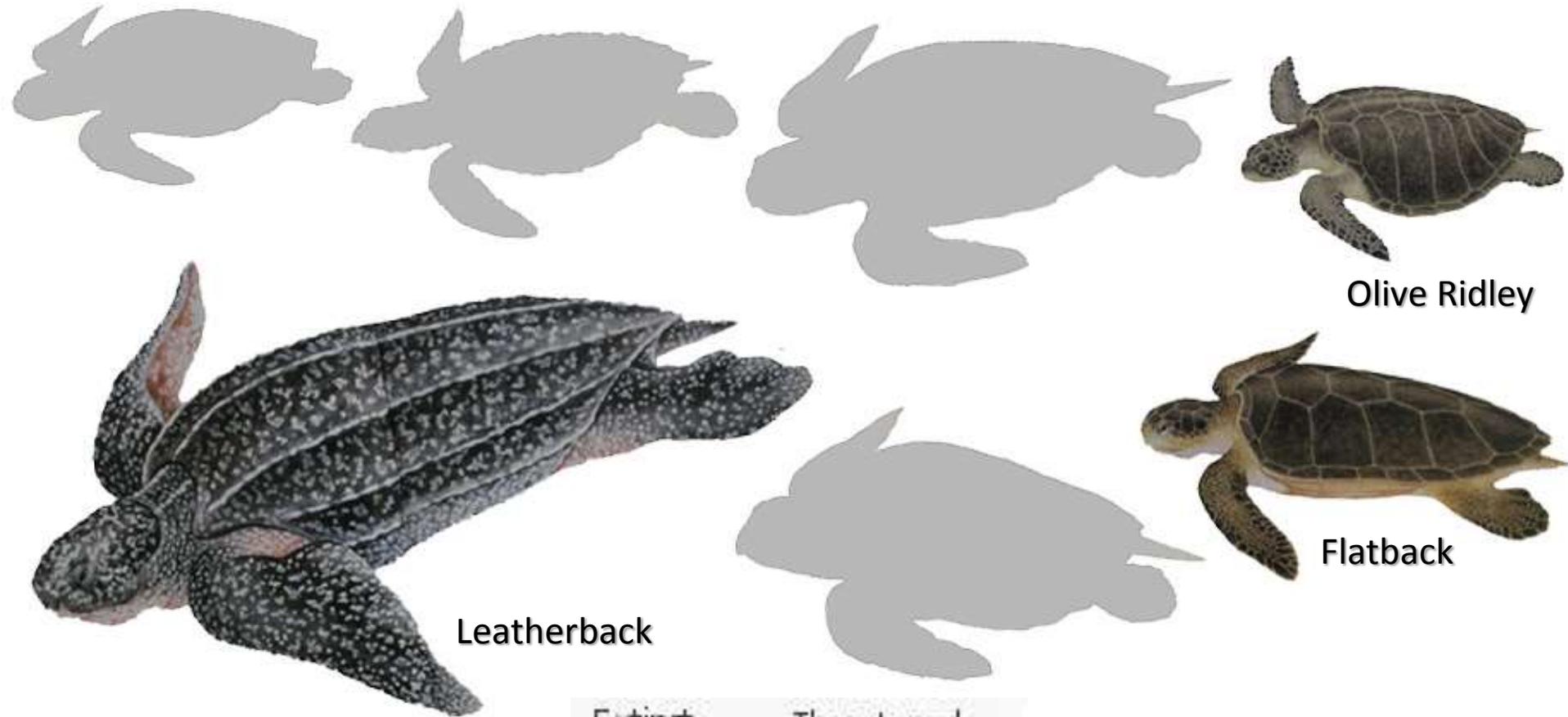
Familia Dermochelyidae

Sea turtle species

Modern sea turtles arose in the Cretaceous Period and are the descendants of an ancient line of marine turtles. Two of the four families of modern sea turtles are alive today.



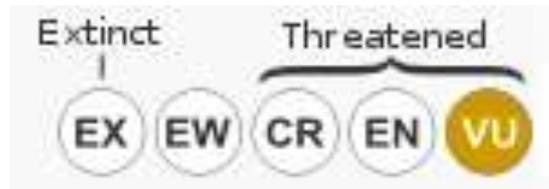
Sea turtle species



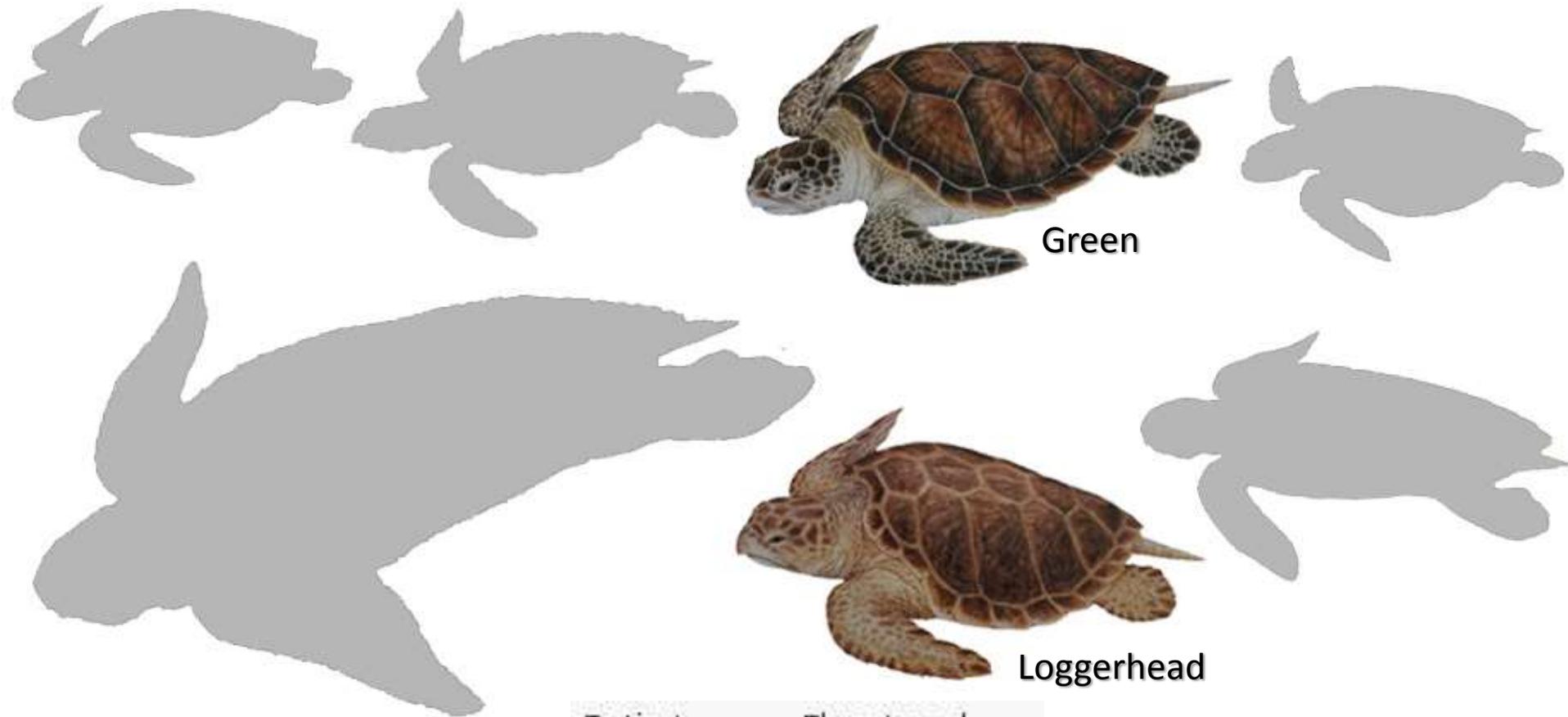
Olive Ridley

Flatback

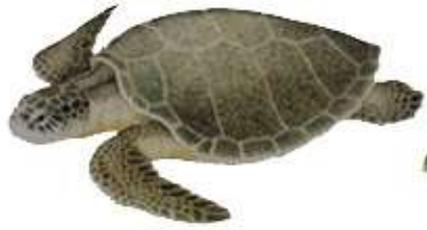
Leatherback



Sea turtle species



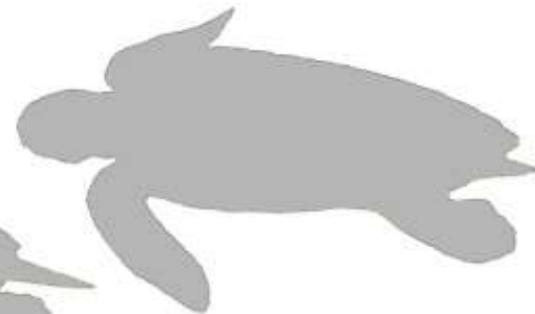
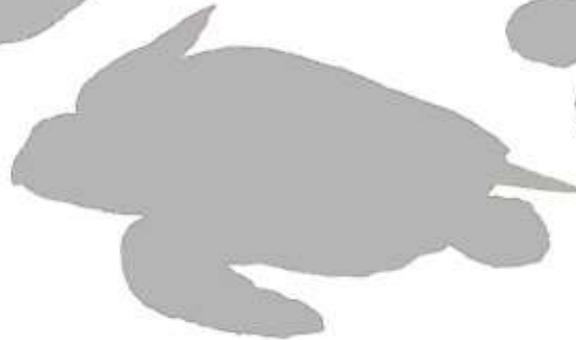
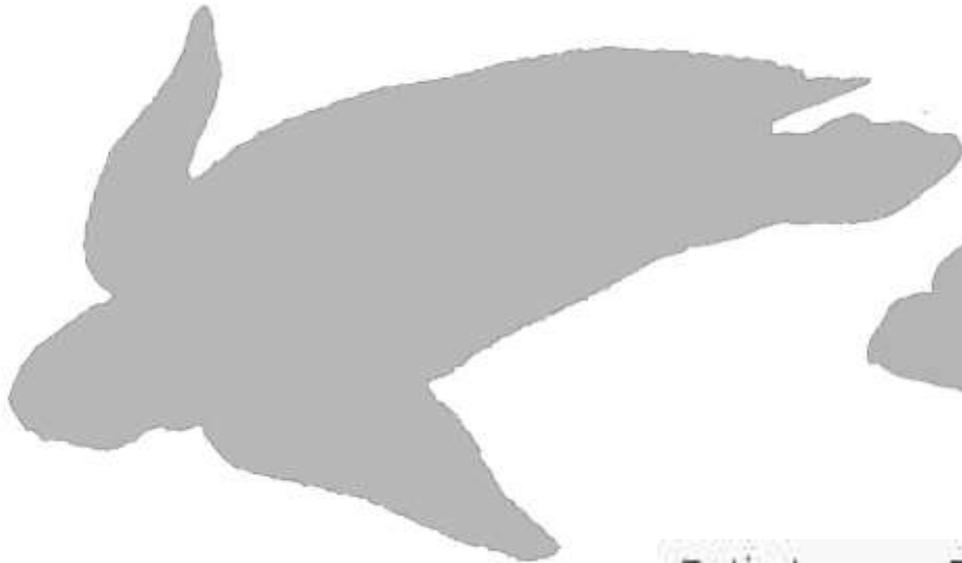
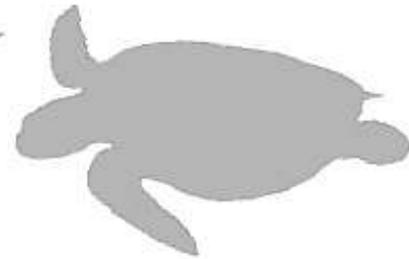
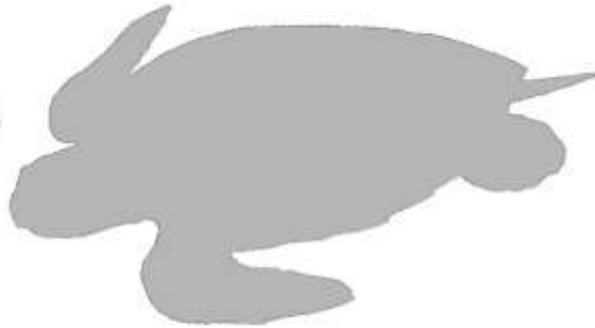
Sea turtle species



Kemp's Ridley



Hawksbill



Species that nest on Pacific Coast of Costa Rica



Hawksbill



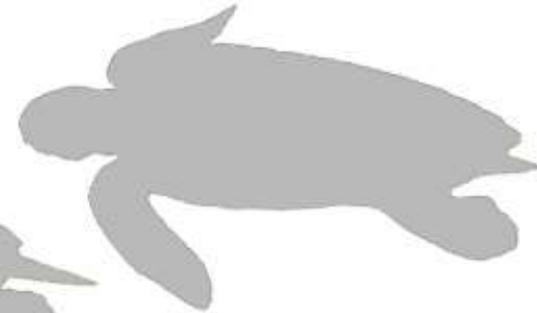
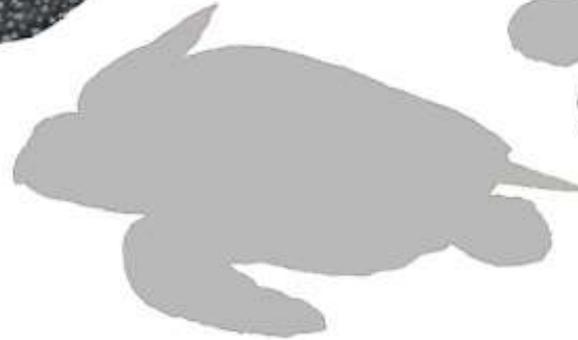
Green



Olive Ridley



Leatherback



Leatherback Turtle



Leatherback Turtle



Leatherback Turtle



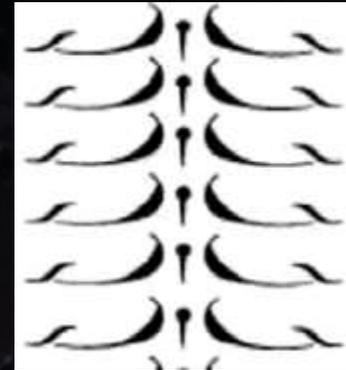
Leatherback Turtle



Leatherback Turtle

Dermochelys coriacea

- Lives: pelagic environments
- Eats: jellyfish
- Nests: December-March (Pacific) March-July (Atlantic)
- Carapace length: 150-200cm
- Weight: 500-700kg
- 70 eggs + 30 false eggs
- No PF scales, no scutes, no nails



Hawksbill Turtle



Hawksbill Turtle



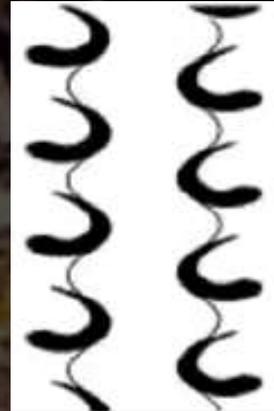
Hawksbill Turtle



Hawksbill Turtle

Eretmochelys imbricata

- Lives: coral reefs
- Eats: sponges
- Nests: May to November
- Carapace length: 80cm
- Weight: 65kg
- 150 eggs
- 2 pairs PF scales, 5 central & 4 pairs lateral scutes, 2 nails



Green Turtle



Green Turtle



Green Turtle



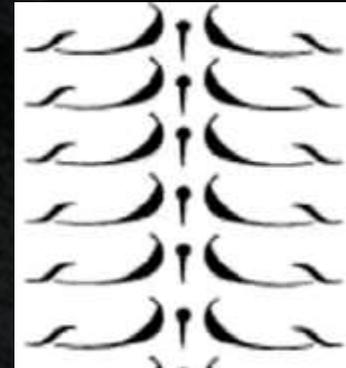
Green Turtle



Green Turtle

Chelonia mydas

- Lives: coastal environments
- Eats: fish and invertebrates (Pacific) sea grass (Atlantic)
- Nests: December-March (Pacific) July to October (Atlantic)
- Carapace length: 90cm
- Weight: 100kg
- 70 eggs (Pacific), 130 eggs (Atlantic)
- 1 pairs PF scales, 5 central & 4 pairs lateral scutes, 1 nail



Olive Ridley Turtle



Olive Ridley Turtle



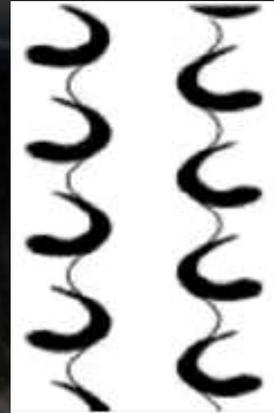
Olive Ridley Turtle



Olive Ridley Turtle

Lepidochelys olivacea

- Lives: coastal environments
- Eats: fish and shrimp
- Nests: July to December
- Carapace length: 65cm
- Weight: 40kg
- 100 eggs
- 2 pairs PF scales, 5-9 central & 5-9 pairs lateral scutes, 1-2 nails



Olive Ridley Arribada



Threats

Beach development



Threats

Tourism



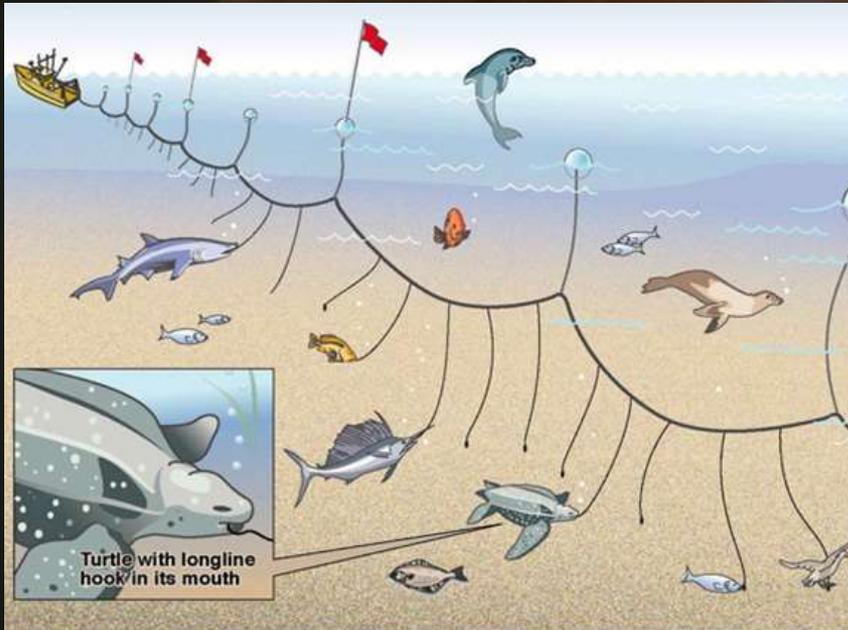
Threats

Plastic contamination



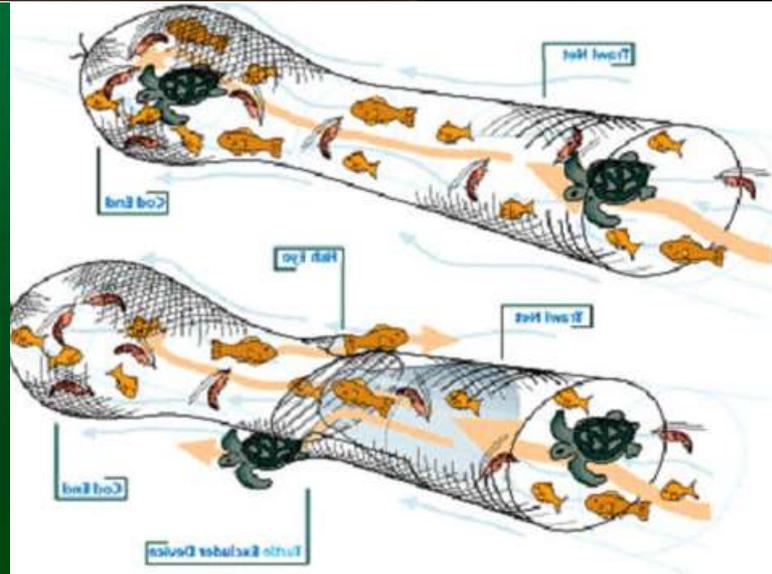
Threats

Incidental capture



Threats

Incidental capture



Threats

Predation

- Eggs: coatis, raccoons, crabs, dogs, flies, fungi, humans
- Hatchlings : birds, crabs, fish, sharks
- Adults: sharks, jaguars, crocodiles, humans



Threats

Poaching



What can we do?

Bad news ☹️

- All seven species of marine turtle are endangered
- Typically 80% reduction in 20 years; up to 90% in some areas
- East Pacific Hawksbill and Leatherback on brink of extinction
- Loss of biodiversity and damage to ecosystems
- Loss of revenue from ecotourism
- Conservation can negatively impact rural communities

What can we do?

Good news 😊

- Kemp Ridley has been saved from extinction
- Some Atlantic Leatherback and Kemp Ridley populations are growing exponentially
- The Olive Ridley and the Leatherback have recently been reclassified as 'Vulnerable'
- Conservation model has been proven to be effective
- Increased global awareness of plight of sea turtles
- Changes in fisheries legislation; increased use of TEDs

What can we do?

Ways you can help 😊

- Consume responsibly, try not to use plastic bags or bottles
- When visiting nesting beaches, respect nesting areas
- Do not drive quad bikes or ride horses on nesting beaches
- Try to keep away from nesting beaches at night
- Keep hotel lights switched off at night
- Do not consume turtle products, denounce their sale
- Support conservation projects wherever you find them



FUNDACIÓN CORCOVADO

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The Program



Turtle Biology



Methodology



Red de Conservación
de Tortugas del Pacífico Sur



COTORCO



Methodology

Contents:

- Context
- Morning patrol (censo)
- Night patrols
- Rules
- Hatchery
- Relocation of nests
- Liberation of hatchlings
- Excavation of nests



Methodology

Characteristics of sea turtle programs:

- Generally located in remote areas often prone to adverse conditions
- Nocturnal
- Constant
- Labor-intensive
- Standardized



Morning patrol (censo)

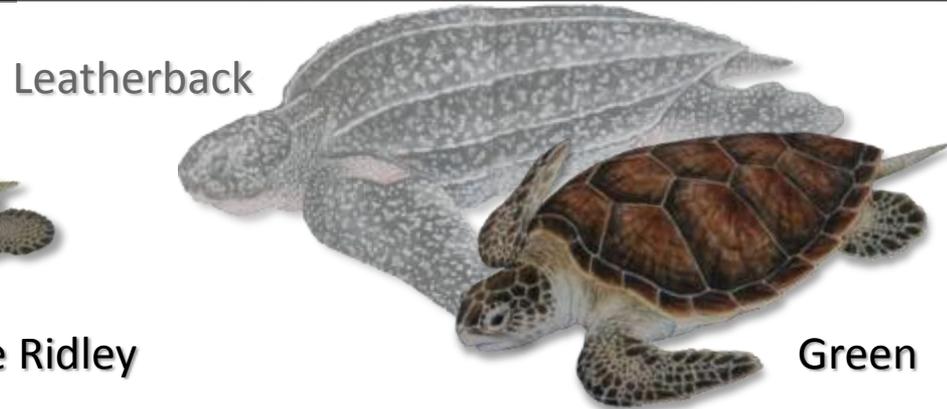
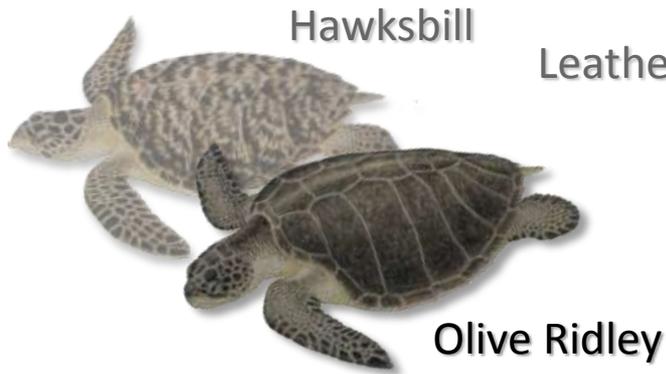
Activities:

- Leave the camp at 4:30am (Drake) or 4:00am (Río Oro)
- Look for new tracks and nests
- Record any new data
- Evaluate work from night patrols, check camouflaging
- Relieve hatchery night shift



Morning patrol (censo)

How to identify tracks



Asymmetric

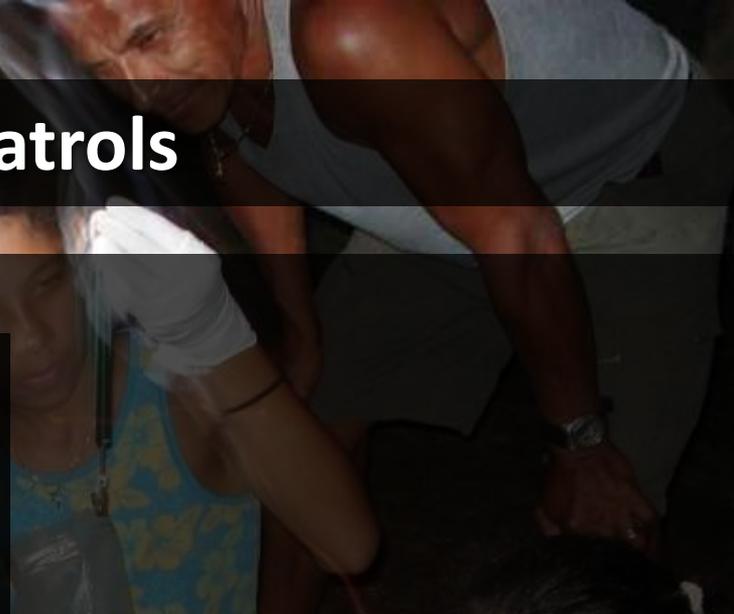


Symmetric

Night patrols

Items to bring on patrol:

- Patrol backpack
- Dark clothes
- Headlamp with red light
- Ponchos
- Water
- Radio (Río Oro)
- You should be ready to go at 7:30pm or at 11:30pm



Night patrols

Rules:

- **Lights**: we don't use white light on the beaches and we only use red light when necessary
- **Leader**: is responsible for making the decisions and for checking the data
- **Rhythm**: the group walks quietly and at the same pace. No-one walks in front of the leader and no-one walks alone. We are a team 😊



Night patrols

Also, please do not...

- Arrive drunk to work at the beach nor drink during patrols or hatchery shifts
- Smoke while patrolling. You are allowed to smoke during resting breaks
- Take drugs at any time
- Finish the night patrol early, unless....



Night patrols

Permitted reasons to finish a patrol early:

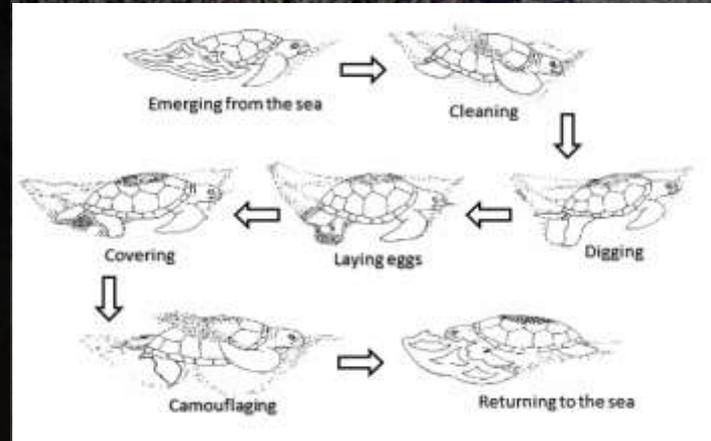
- Dangerous lightening storm (leave the beach if <math>< 10</math> secs between thunder & lightening)
- Very heavy rain causing minimal visibility (leave the beach if you cannot see or it becomes dangerous)
- Aggressive or dangerous people on the beach
- Very high tides



Night patrols

Upon encountering a track:

- Stop, let the leader go ahead
- Always stay behind the turtle
- What is the turtle doing?
- Wait until she is laying her eggs before inspecting the turtle
- Is she already tagged?
- If no, the priority is to tag her then start recording data



Night patrols

Good practices:

- We only tag sea turtles that nest (not false crawlers)
- We remove the eggs from the nest while she is laying them, wherever possible
- If we are far away from the hatchery, we continue to patrol to the end of the beach
- We are careful with the eggs. We don't move them too much and we try not to let our hands transfer too much heat to them



Night patrols

Recording data:

Please:

- Take care when recording data
- Be rigorous and precise with your measurements
- Record all of the data before continuing on the patrol
- If you forget something, leave it blank; never make up data
- In Drake we use Field Data Forms; in Río Oro we use a Field Data Book

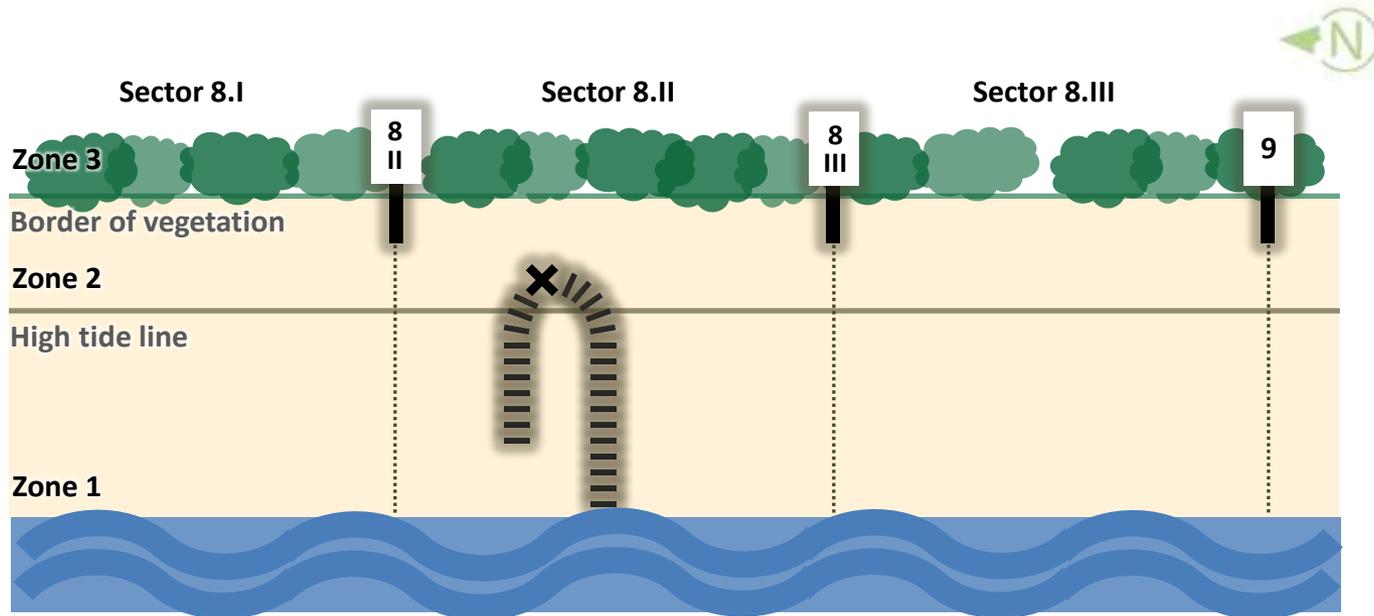
HOJA DE CAMPO

EQUIPO		FECHA		HORA	
PLAYA	NORTH BEACH <input type="checkbox"/> SOUTH BEACH <input type="checkbox"/>	PATRULLA	PATROL I <input type="checkbox"/> PATROL II <input type="checkbox"/> CENSO <input type="checkbox"/>		
ESPECIE	DESCONOCIDO <input type="checkbox"/> LORA <input type="checkbox"/> NEGRA <input type="checkbox"/> BAULA <input type="checkbox"/> CAREY <input type="checkbox"/>	ACTIVIDAD	NINGUNA TORTUGA <input type="checkbox"/> SUBIENDO <input type="checkbox"/> LIMPIANDO/CAVANDO <input type="checkbox"/> DESOVANDO <input type="checkbox"/> CUBRIENDO/CAMUFLANDO <input type="checkbox"/> REGRESANDO AL MAR <input type="checkbox"/>		
TORTUGA	AFRONTA LA VEGETACIÓN <input type="checkbox"/> AFRONTA EL MAR <input type="checkbox"/> AFRONTA EL NORTE <input type="checkbox"/> AFRONTA EL SUR <input type="checkbox"/>	NIDO	SÓLO RASTROS <input type="checkbox"/> RASTROS Y CAMA SIN HUEVOS <input type="checkbox"/> RASTROS Y NIDO CON HUEVOS <input type="checkbox"/> SAQUEADO <input type="checkbox"/> DEPREDAADO <input type="checkbox"/>		
SECTOR		ZONA			
PLACAS ALTA IZQUIERDA	PLACA NUEVA <input type="checkbox"/> PLACA ANTIGUA <input type="checkbox"/> CORTE/HUECO <input type="checkbox"/>	PLACAS ALTA DERECHA			
DIMENSIONES Y CONDICIÓN DE TORTUGA		LARGO <input type="checkbox"/> ANCHO <input type="checkbox"/> ANCHO <input type="checkbox"/> NUMERO <input type="checkbox"/> PROFUND <input type="checkbox"/> MEDIDA <input type="checkbox"/>	FIELD All-Weather Spiral No. 303 N		
ACCION		DEJADO EN SITU <input type="checkbox"/> REUBICADO A LA PLAYA <input type="checkbox"/> REUBICADO AL VIVERO <input type="checkbox"/>	DAÑO <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
NOTAS		DETALLES			



Night patrols

How to identify the sector and the zone

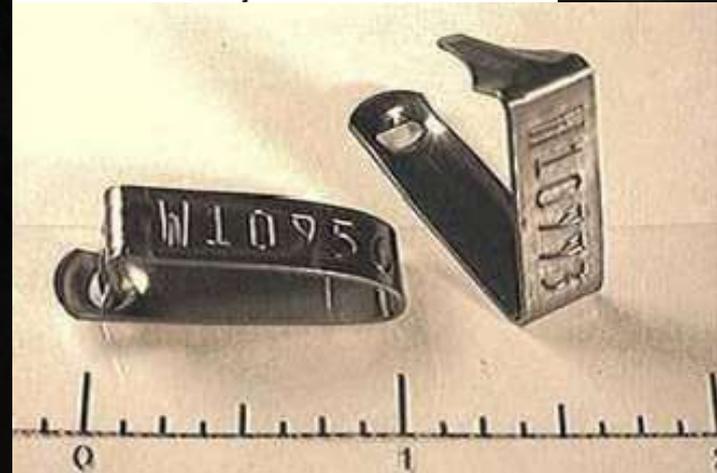
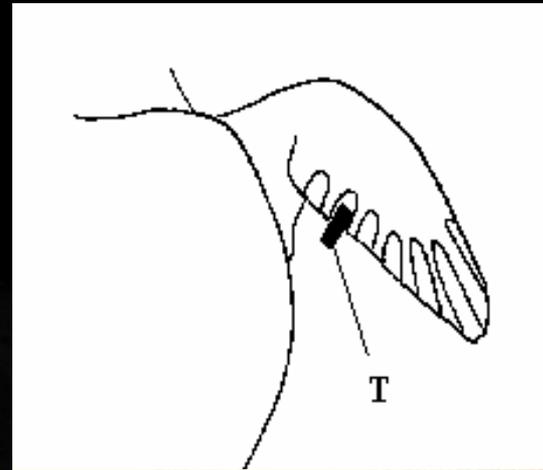


Night patrols

Tagging turtles:

Please:

- Always use gloves
- Spray the tag and the flipper with iodine disinfectant
- Write down the tag numbers before tagging the turtle
- Tag during (Olive Ridley) or after (Green) oviposition
- Tag one flipper (Olive Ridley) or both flippers (Green) through the second scale

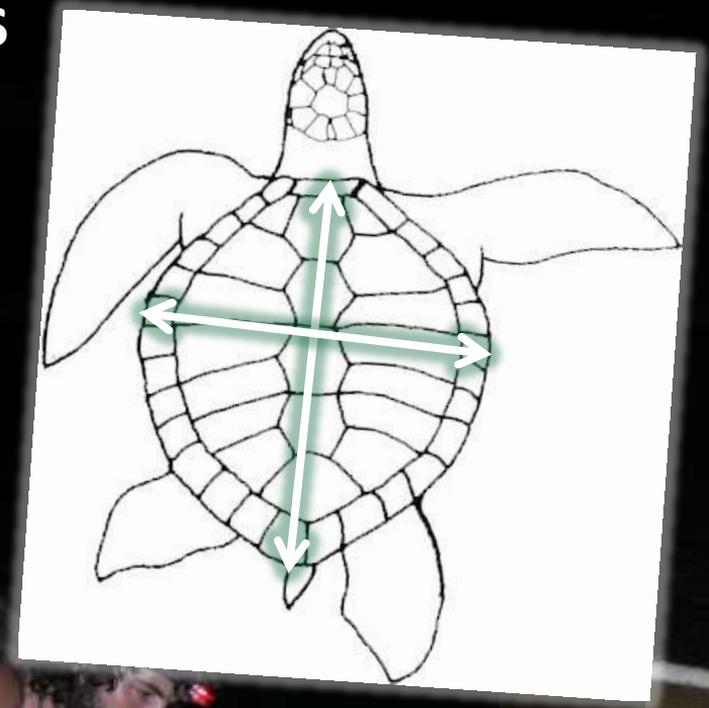


Night patrols

Measuring turtles and tracks:

Please:

- Find the longest measurement of the carapace
- Measure the length and width several times, until you repeatedly come up with the same measurement
- Inspect for any damage or distinguishing features
- Measure the track at three different locations and record the average



Night patrols

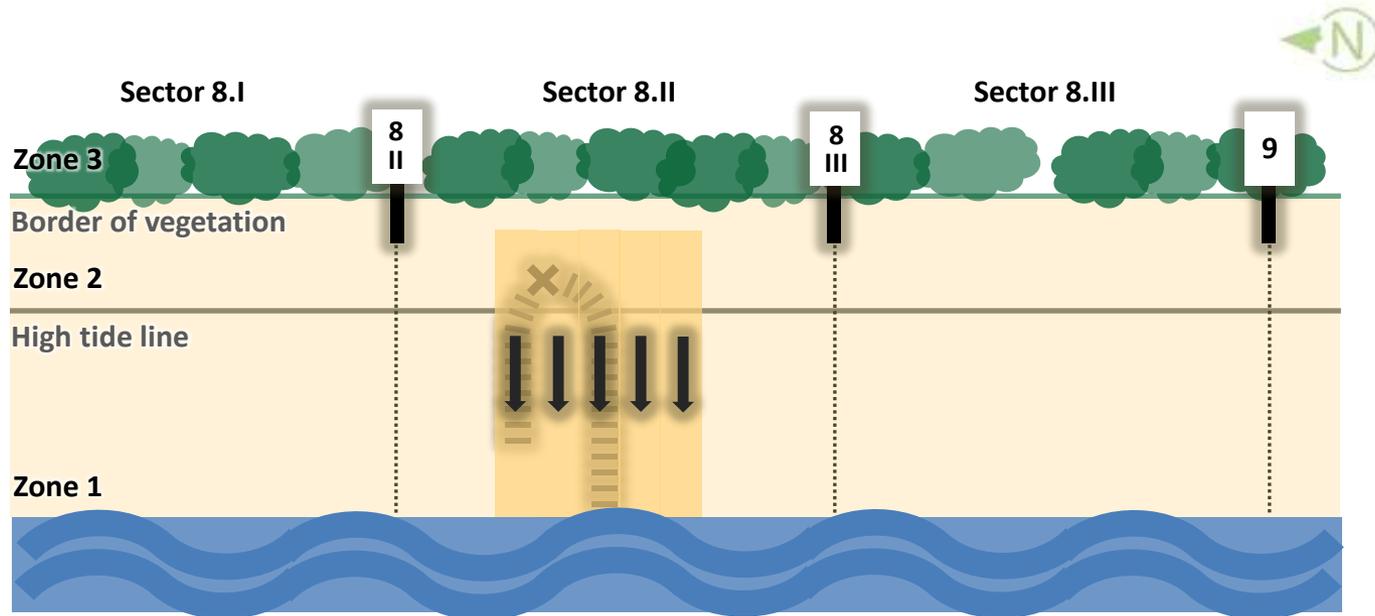
Camouflaging nests:

- In Drake, we camouflage all nests regardless of whether we relocate them or not
- If we always camouflage a poacher cannot learn if the nests have been moved or not
- In Río Oro, we mark a big X through the tracks so that others know the nest has been registered. It's just not possible to camouflage all the nests!



Night patrols

How to camouflage nests and tracks



Hatchery

The hatchery:

- In Drake, the hatchery is located on the North beach in zone 3
- Each nest has a code and occupies 1m²
- It is monitored 24 hours / day
- 4x shifts of 6 hours / day:
6am-12pm, 12pm-6pm,
6pm-12am, 12am-6am
- ACOTPRO works in the hatchery overnight



J5

J6

J7

Hatchery

Shifts in the hatchery:

Please:

- Always be very punctual
- Check the nests every 30 minutes during the day
- Check the nests every hour during the night
- Always wait until the next person arrives to relieve you
- Do not eat, drink or smoke inside the hatchery enclosure



J5

J6

J7

Relocation of nests

Receipt of nests in the hatchery:

- The hatchery manager should dig the nest and bury the eggs
- La patrol group should leave the eggs and continue patrolling, unless resting

The hatchery manager will:

- Record the data in the hatchery book
- Camouflage the nest location by raking the hatchery



Relocation of nests

Good practices:

Please:

- Always use gloves
- Working quickly but carefully
- Dig the nest as instructed
- Count the eggs as you put them in the nest
- Record the data in the hatchery book
- Put the nest in more or less randomly but uniformly
- Never re-use a nest site



Relocation of nests

How to build a nest

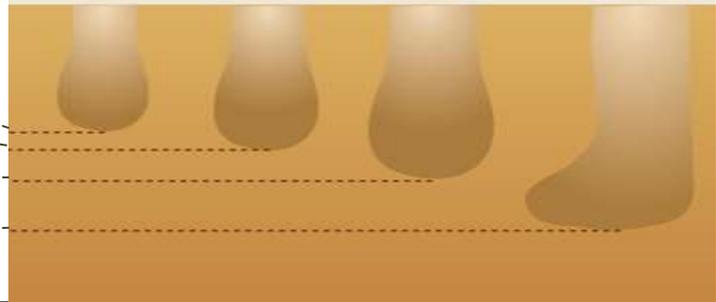


Olive Ridley 40-45cm

Hawksbill 45-50cm

Green 55-60cm

Leatherback 75-80cm



Relocation of nests

CÓDIGO H8					
REUBICACIÓN DE NIDO					
NOMBRE Helena					
# HUEVOS	112	FECHA	24/08	HORA	23:40
NACIMIENTO Y LIBERACIÓN					
NOMBRE					
FECHA					
HORA					
# CRÍAS					
EXHUMACIÓN					
NOMBRE					
FECHA					
EMERGIDAS		A TÉRMINO			
VIVAS		SIN DESARROLLO			
MUERTAS					
CÁSCARAS		EMBRIONES			
DEPREDADAS	I	II	III	IV	
NOTAS					

Liberation of hatchlings

Upon finding a nest hatching:

Please:

- Always use gloves
- Look for the correct page in the hatchery book
- Allow the nest to hatch naturally
- Transfer the hatchlings to the green bucket labelled 'TORTUGUITAS'
- Count the hatchlings and put the data in the hatchery book



Liberation of hatchlings

CÓDIGO H8

REUBICACIÓN DE NIDO

NOMBRE Helena

# HUEVOS	112	FECHA	24/08	HORA	23:40
----------	-----	-------	-------	------	-------

NACIMIENTO Y LIBERACIÓN

NOMBRE	Rob	Steph	Alvaro
FECHA	16/10	17/10	18/10
HORA	05:30	16:50	16:50
# CRÍAS	95	4	1

EXHUMACIÓN

NOMBRE

FECHA

EMERGIDAS

A TÉRMINO

VIVAS

SIN DESARROLLO

MUERTAS

CÁSCARAS

EMBRIONES

DEPREDADAS

I	II	III	IV

NOTAS

Liberation of hatchlings

Good practices:

If a nest hatches at night:

- Release the hatchlings straight away

If a nest hatches during the day:

- Put them in the green bucket with some moist sand and put the lid on loosely. You can release them at sunset

It's good to vary where you release them, and not always in front of the hatchery - the fish will learn!



Excavation of nests

Use of biometric data:

- Determine hatching success, rates of predation, infection, occurrence of deformities, twins, albinos etc
- Evaluate methods, such as the use of a hatchery, and inform future conservation strategies



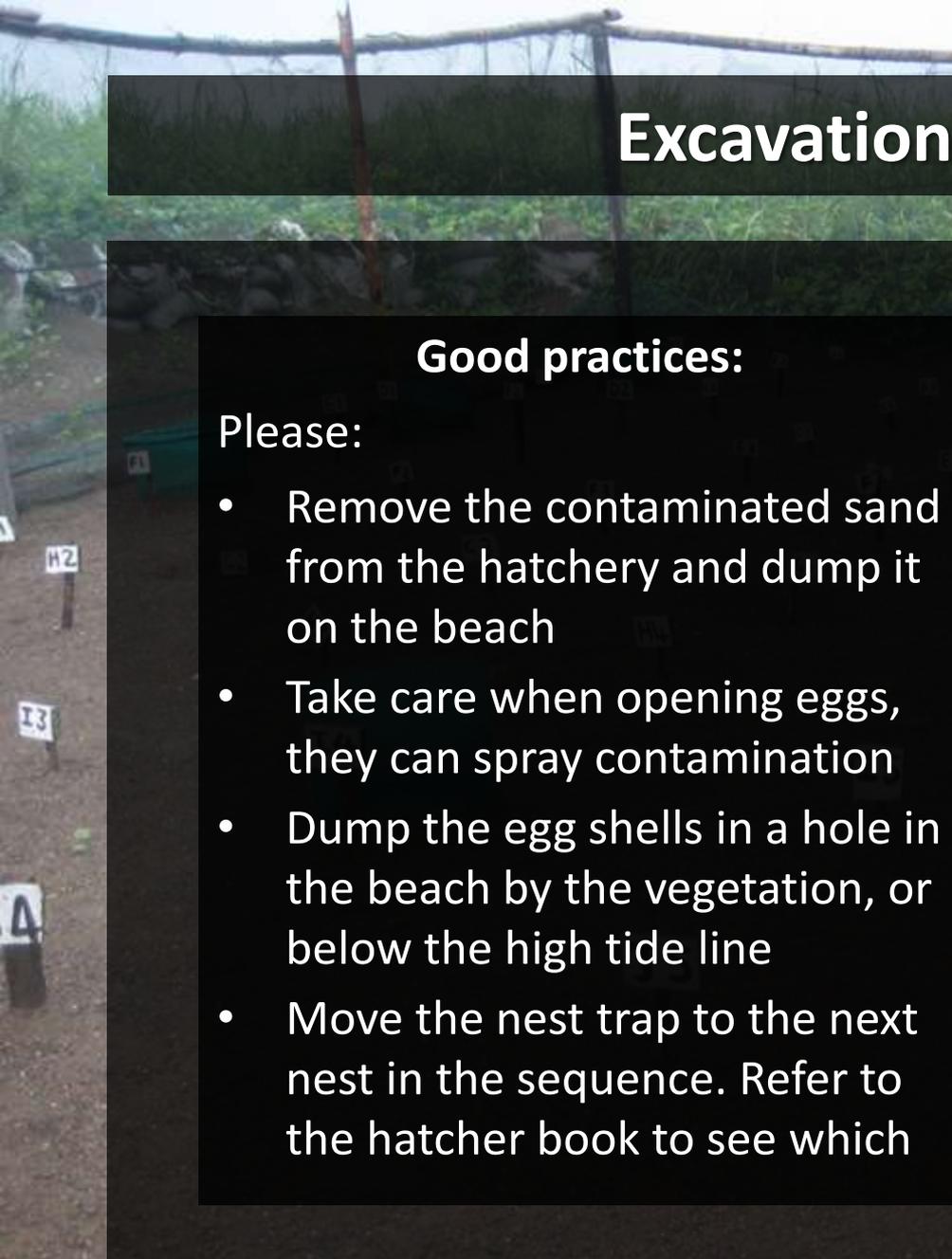
K5

Excavation of nests

Good practices:

Please:

- Remove the contaminated sand from the hatchery and dump it on the beach
- Take care when opening eggs, they can spray contamination
- Dump the egg shells in a hole in the beach by the vegetation, or below the high tide line
- Move the nest trap to the next nest in the sequence. Refer to the hatcher book to see which



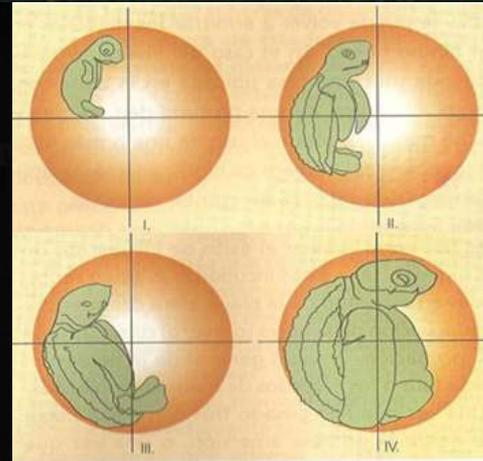
K5

Excavation of nests

Good practices:

Please:

- Always use gloves
- Separate the dead hatchlings, whole eggs, and shell fragments
- Count those fragments of >50% egg shell as a whole egg
- Look for evidence of poaching, predation: fungus, ants etc
- Open any whole eggs and identify the stage of development as instructed



Excavation of nests

CÓDIGO H8

REUBICACIÓN DE NIDO

NOMBRE Helena

HUEVOS 112 FECHA 24/08 HORA 23:40

NACIMIENTO Y LIBERACIÓN

NOMBRE	Rob	Steph	Alvaro
FECHA	16/10	17/10	18/10
HORA	05:30	16:50	16:50
# CRÍAS	95	4	1

EXHUMACIÓN

NOMBRE Rob

FECHA 19/10

EMERGIDAS 100 A TÉRMINO 2

VIVAS 0 SIN DESARROLLO 2

MUERTAS 5

CÁSCARAS 105 EMBRIONES

DEPREDADAS	I	II	III	IV
A término and muertas predated by ants			2	1

NOTAS Cesta fue trasladado a B4