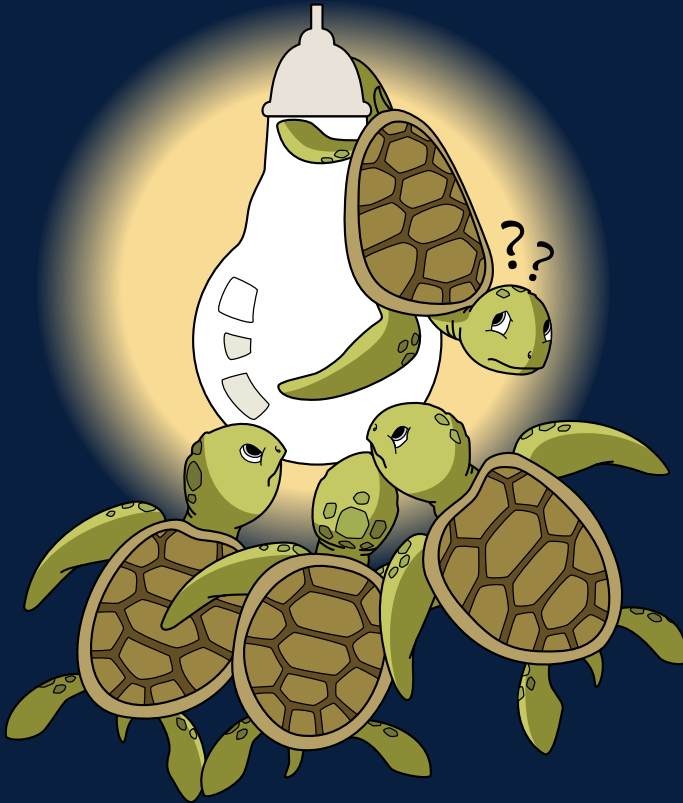


Mon Repos Conservation Park
Bundaberg, Queensland, Australia



Cut the Glow

to help turtles go



Marine turtles are in trouble—
they need our help to survive

Lights and turtles

Marine turtles appear to reproduce abundantly as female turtles can lay hundreds of eggs over one nesting season. But turtles grow slowly, take decades to reach sexual maturity and have on average a four year break between breeding seasons. Hatchlings too have a low chance of survival with only about 1 in 1000 reaching maturity.

All these factors make turtles vulnerable to human disturbance. If not enough hatchlings from a nesting area survive to maturity it places the breeding population in jeopardy. Artificial lights interfere with turtle's natural habits and instincts. You can make a difference by cutting the glow of lights affecting beaches in your local area.

Artificial lights

The majority of both nesting and hatchling turtle activity occurs at night—disturbances and danger from predators, both on land and at sea, is lowest under the cover of darkness. This makes turtles vulnerable to disturbance and disorientation from artificial lights.

Artificial light disturbance can be from a single light directly opposite a nesting beach or from the collective glow of lights from a coastal community.

Creatures of habit

Female turtles migrate back to the general area of their birth to nest. Turtles choose their nesting beach while still offshore, before coming on land to lay their eggs—usually remaining loyal to that selected beach every nesting year.

Bright lights and the glow from coastal communities may make turtles search for a darker beach. This can be a problem as not all beaches are created equal! Some beaches are open to the elements with erosion affecting nests, some are not good incubators for turtle eggs, while others are rockier, making it harder for turtles to dig their nest—causing them to waste valuable energy with each attempt.

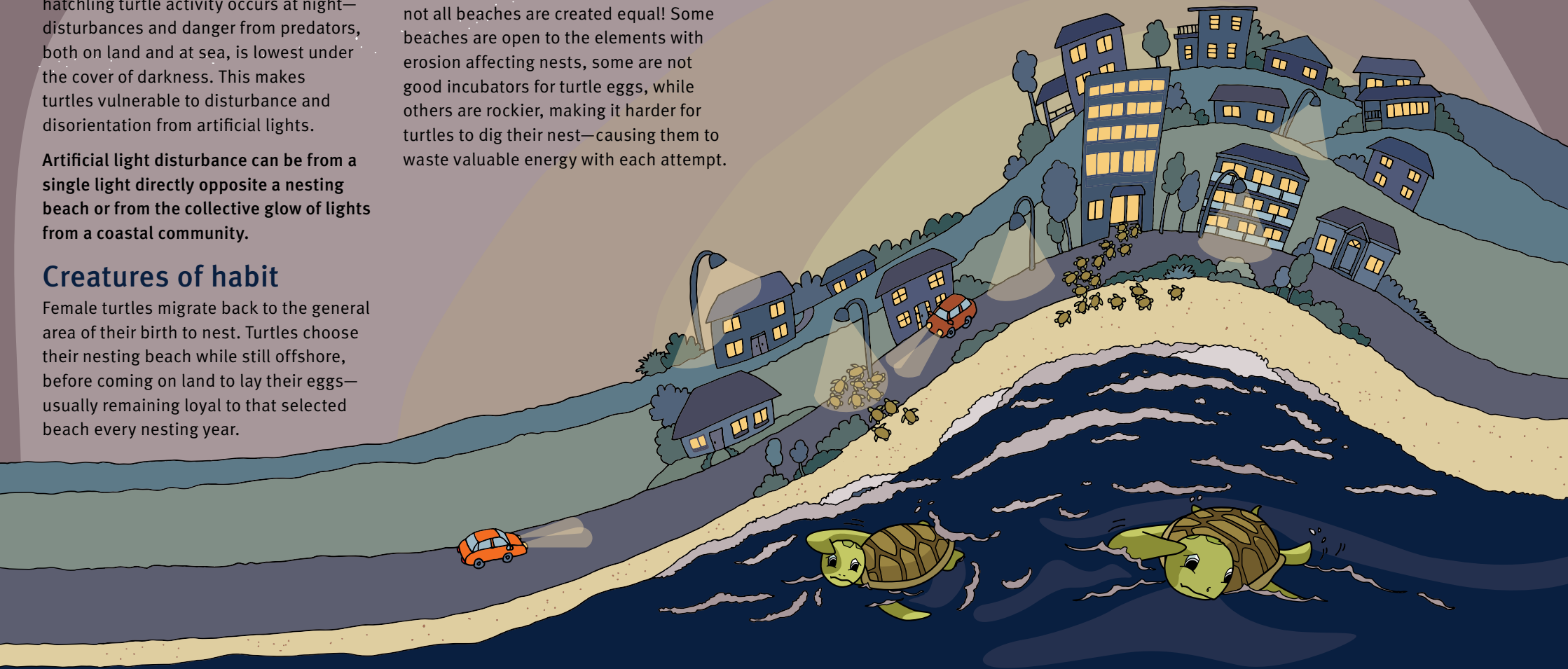
Where's the horizon?

At night, hatchlings find their way from their nest to the sea by moving towards the lightest horizon they see. Under natural conditions, this is over the ocean and hatchlings will quickly travel down the beach to the water.

On nesting beaches near towns, resorts and camping areas, artificial lights can affect a turtle's ability to see the natural horizon. Hatchlings become disoriented, veering from their natural path and heading

towards the artificial light. Even hatchlings that have made it to the sea can be lured back to the land by strong coastal lights.

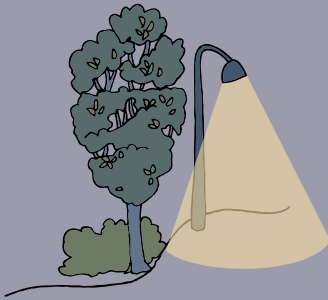
As dawn approaches, the contrast between artificial and natural light decreases and hatchlings who have been attracted inland do not know where to go. Many will not make it—becoming trapped in vegetation or exhausted from wasting energy during their wanderings. Hatchlings caught on shore may overheat and die or become the next meal of a hungry bird.



You can make a difference

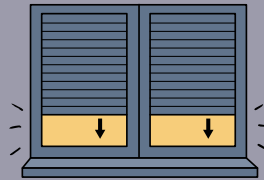
Turtles need dark beaches! They can't change their behaviour towards light so it's up to us to help maximise nesting success and hatchling survival.

During the breeding season (mid-October to April) whether you are a resident, visitor or business, you can help cut the glow of lights affecting beaches in your local area.



From 7.30pm:

- switch off unnecessary lights
- close your curtains and blinds
- use motion sensor lights for external lights
- position your lights so they face away from the beach
- plant vegetation to create a light buffer
- when camping, shade lights to reduce the illuminated area
- only use a small torch (less than 3 volts) on the beach.



Cut the Glow to help turtles go

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Mon Repos Turtle Centre

(turtle season Nov–Mar)

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