

Protecting Sea Turtle Hatchlings: Evaluating Nest Health Success and Threats in Puerto Vallarta, Mexico.

48296-1

MVZ Diana R Ríos Huerta



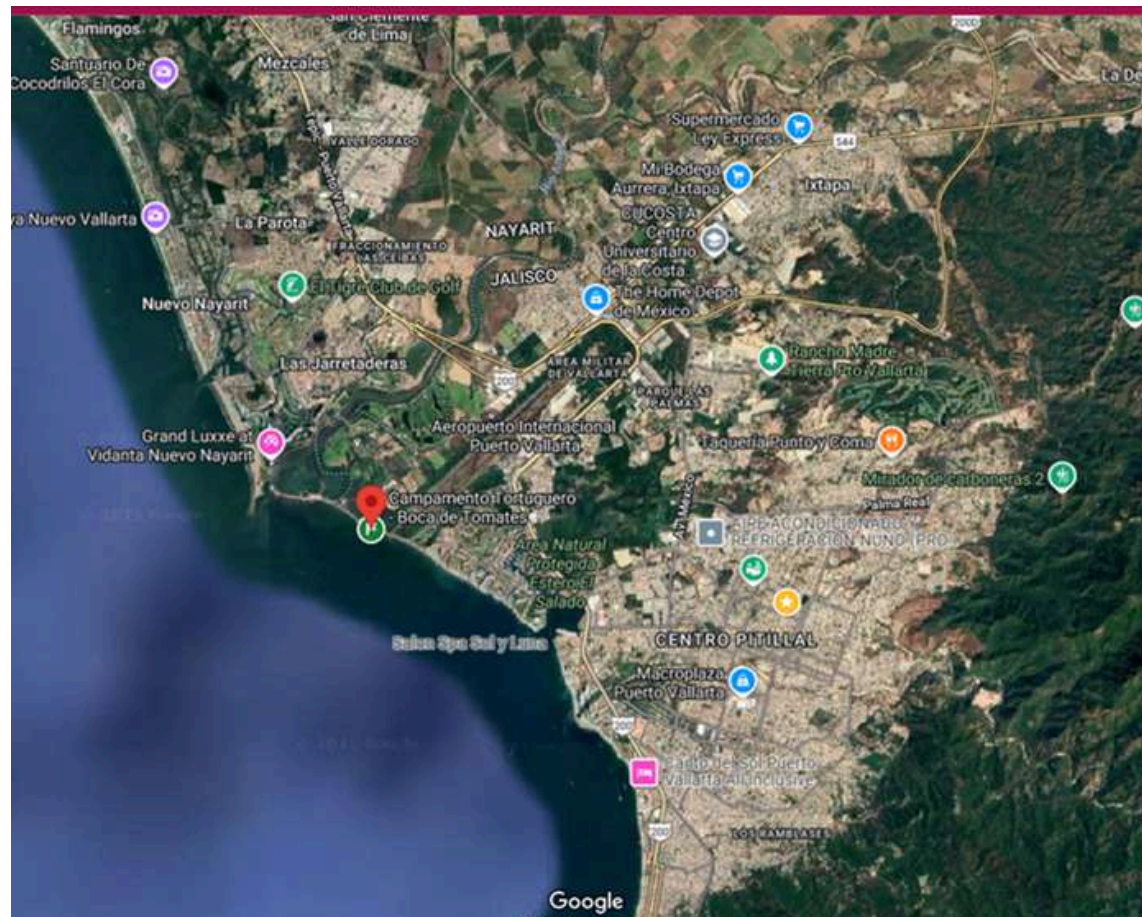
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•Project Update – Summer Field Season

During the summer nesting season, we carried out fieldwork at Boca de Tomates, Puerto Vallarta, Mexico. (2025)



•Project Update – Summer Field Season

Hatching success percentage was recorded. Hatchlings that died naturally at birth or during nest cleaning were collected, including both malformed and non-malformed individuals



Vit-11 581
Peso: 18 gr.
LRC: 42.2 mm
ARC: 32.8 mm



578
Peso: 16 gr
LRC: 37.8 mm
ARC: 32.9 mm

•Project Update – Summer Field Season



Normal hatchling



Shell: Irregular shell

Flippers: Dysplasia of the posterior flippers with dorsocaudal deviation toward the shell

Umbilicus: Umbilical hernia

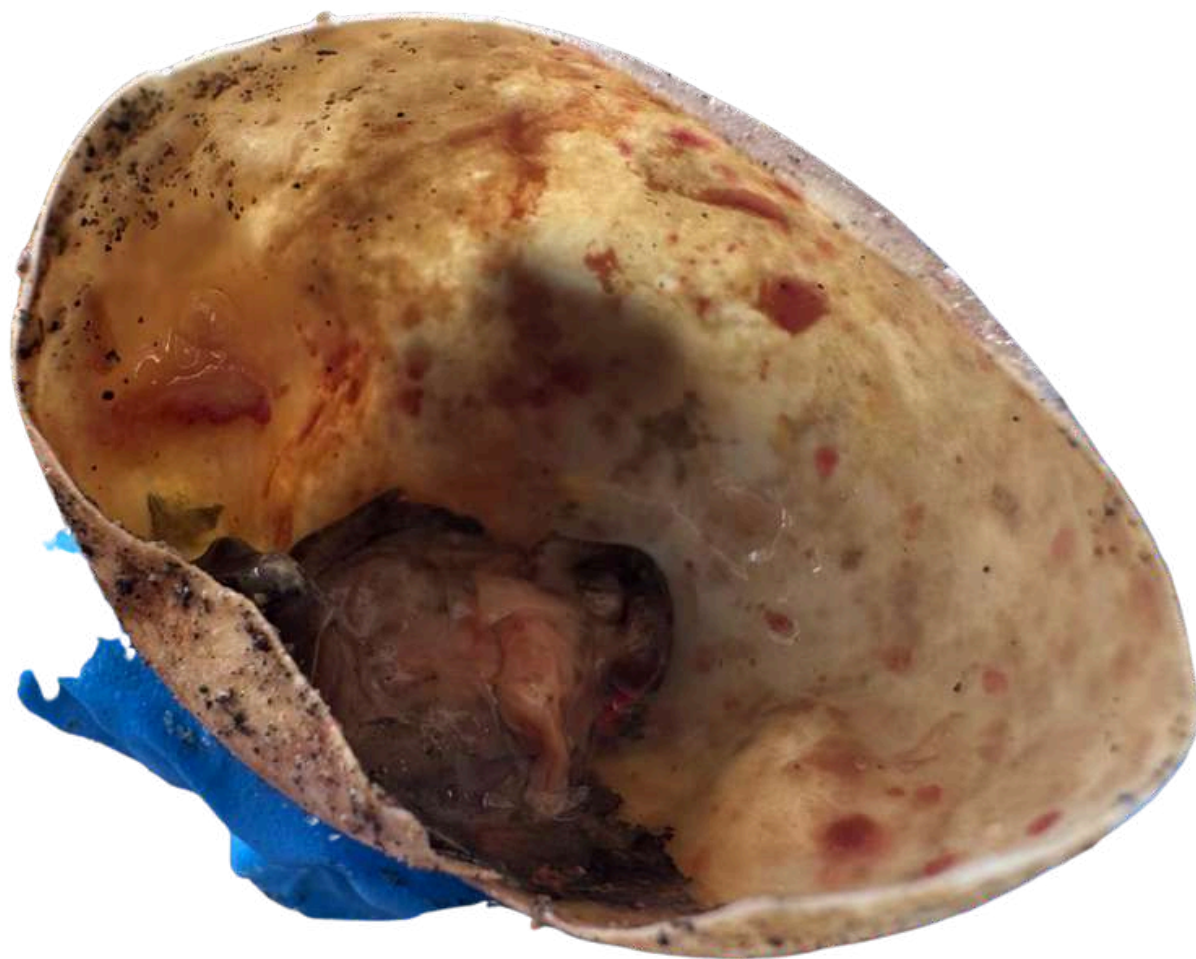
•Project Update – Summer Field Season

Brain, yolk sac, and liver tissues were preserved in liquid nitrogen for contaminant analysis, while additional samples were taken for complete histopathology.



•Project Update – Summer Field Season

Eggshells and skin were also collected to detect *Fusarium spp.* through PCR.



•Project Update – Summer Field Season

Veterinary students actively contributed by helping with sample collection, giving environmental talks to tourists and local residents, participating in beach clean-ups, and joining nightly patrols to safeguard nests and hatchlings.



•Project Update – Summer Field Season

**All activities were conducted under the official collection
permit SEMARNAT SBRA/DGVS/01065/25.**

THANK YOU

