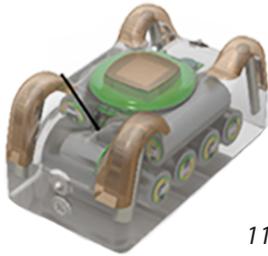




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SPLASH10-F-334 FASTLOC® GPS TURTLE TAG



SPLASH10-F-334
112 x 63 x 49 mm and 450g

The SPLASH10-F Fastloc® GPS tag is designed specifically for larger species of sea turtles. This tag incorporates direct input from clients, as well as our own experience with tags and turtles, to address specific challenges.

What are the challenges researchers face?

- Sea turtles do not surface horizontally, but come up head first to take a breath. The carapace follows, coming out of the water at an angle, if at all.
- Sea turtles are notoriously tough on tags. The study species may frequent underwater caves and rub up against rocks, abrading the tags and endangering the antenna.
- Sea turtles are relatively slow swimmers and spend time in warmer waters, making the turtles, and the tags on them, more prone to biofouling. Biofouling can affect both sensors and data transmission.
- Researchers have need for extended periods of data collection for purposes such as documenting multi-year movements.

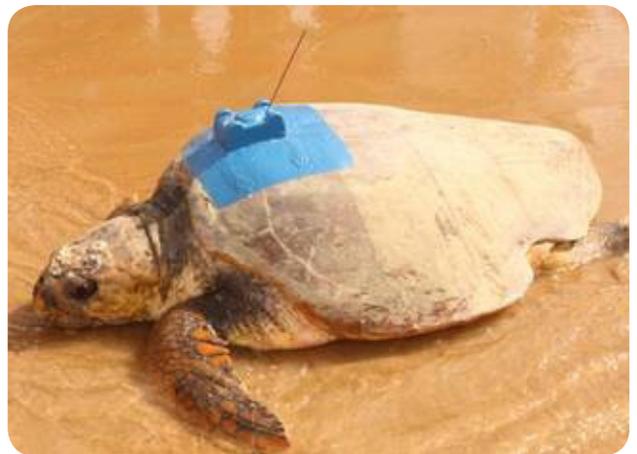
How does our tag meet those challenges?

The SPLASH10-F-334 was specifically designed to meet the challenges head on.

- *Surfacing behavior*—The raised profile of this taller tag elevates the Argos and Fastloc antennas, resulting in more frequent surface exposure and more location hits.
- The wet/dry sensors on the tag are oriented so that the tag will attempt a Fastloc GPS acquisition and

Argos transmission as soon as those antennas are at the surface.

- *Rugged, durable design*—This tag utilizes the heavy-duty urethane body armor used on many Wildlife Computers tags. In addition, the design incorporates abrasion-resistant stainless steel in the bumper system of the tag. The ultra-flexible nitinol Argos antenna is positioned for maximum protection. **Note: This tag is designed to be positioned with the antenna toward the rear of the turtle.**
- *Biofouling*—Sea turtle tags not protected with anti-fouling paint will often stop working after only a few weeks. Wildlife Computers recommends Micron66, a copper-based anti-fouling paint that has the advantage of a biocide to repel barnacles. It is a chemically-polished ablative paint that requires a primer and three coats for optimal protection. Refer to: <http://bit.ly/turtleantifouling>
- *Tag life*—The SPLASH10-F-334 turtle tag has the longest operating life of any tag available. It offers 1010-day life when configured with hourly Fastloc attempts and 250 Argos transmissions per day.



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This is a small representation of our available tags. Tag features and specifications subject to change without notice.